

19980122.qrp v00_n978.qrs.980122

Date: Thu, 22 Jan 1998 19:03:11 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 978

QRP-L Digest 978

Topics covered in this issue include:

- 1) [1613] Re: Battery Charging Info
by Ed Loranger <we6w@qsl.net>
- 2) [1614] Gel Cell Batteries
by Tim English <timeng@concentric.net>
- 3) [1615] RE: Elmer Kit
by Mark Kesner <marklori@visuallink.com>
- 4) [1616] unsubscribe
by WDIGFM <WDIGFM@aol.com>
- 5) [1617] Brass Monkey ???
by KF4EIB <KF4EIB@aol.com>
- 6) [1618] MFJ QRP MODS???
by RangerSF5 <RangerSF5@aol.com>
- 7) [1619] Re: Double Bazooka...Broadbanding...
by rheiss@sprynet.com (Rob Heiss)
- 8) [1620] a
by Michael Miller <ka9dfi@owc.net>
- 9) [1621] FOX: Fri Night N/T Fox, W2MBY
by W2MY & W2MBY <n2mnn@spacegate.com>
- 10) [1622] Re: Elmer Projects (long)
by "Basil (Darin) Arrick" <basila@onramp.net>
- 11) [1623] [v31xe@dzn.com: congratulations]
by af852@rgfn.epcc.Edu (William R Colbert)
- 12) [1624] Small Wonders WM-20 SSB mods & tips?
by Rich Bachmann <bachmann@ari.net>
- 13) [1625] FS: MFJ-9020
by Rod Logsdon <bike4life@bikerider.com>
- 14) [1626] Re: Small Wonders WM-20 SSB mods & tips?
by Paul Erickson <paul1@wizard.ucs.sfu.ca>
- 15) [1627] Do no harm.....
by k8cv@juno.com
- 16) [1628] Re: preventing destruction of gel cell?
by Rich Bachmann <bachmann@ari.net>
- 17) [1629] New Product Announcement
by "Marshall Emm" <mgemm@mtechnologies.com>
- 18) [1630] CW FOEVER AND EVER
by RangerSF5 <RangerSF5@aol.com>
- 19) [1631] Morse code in a song

- by mikemo@ibm.net
- 20) [1632] Re: Morse code in a song
by "Karl B. Staddon" <ve6kbs@AGT.NET>
- 21) [1633] Hello!
by Sam <kc5tja@animeonline.ml.org>
- 22) [1634] Re: Morse code in a song
by Scott Bauer <ke3nv@erols.com>
- 23) [1635] QRP WATTMETERS
by "Karl B. Staddon" <ve6kbs@agt.net>
- 24) [1636] 8Q7AA Maldives DXpedition/ Az. scQRPion N7TX
by wa5whn@juno.com
- 25) [1637] Re: Morse code in a song
by Scott Bauer <ke3nv@erols.com>
- 26) [1638] Re: Morse code in a song
by Joe Gervais <vole@primenet.com>
- 27) [1639] Re: SST Frequency Range Modification
by "David D. Meacham" <ddm@datatamers.com>
- 28) [1640] Re: Morse code in a song
by "Steve Hurst" <shurst@magiclink.com>
- 29) [1641] Re: Elmer Projects
by "Dan L. Evans" <dlevans@hsonline.net>
- 30) [1642] Re: "Effective" Antenna Height
by "Dan L. Evans" <dlevans@hsonline.net>
- 31) [1643] Re: Hello!
by Leon Heller <leon@lfheller.demon.co.uk>
- 32) [1644] Re: Morse code in a song
by Leon Heller <leon@lfheller.demon.co.uk>
- 33) [1645] Re: CW FOEVER AND EVER
by "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
- 34) [1646] Dayton Rooms
by "L. Jeffrey Hetherington" <jhetheri@freenet.npiec.on.ca>
- 35) [1647] Shipping WAIVED on Ten-Tec group buy!
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
- 36) [1648] FOX: STATE STANDINGS 1997/98 FOXHUNT
by Chris Cartwright <ccart@dns.vidtel.com>
- 37) [1649] Re: FOX: STATE STANDINGS 1997/98 FOXHUNT
by Chris Cartwright <ccart@dns.vidtel.com>
- 38) [1650] RE: QRP WATTMETERS
by "Rattray, Bruce" <Rattray@siast.sk.ca>
- 39) [1651] Re: Morse code in a song
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
- 40) [1652] Re: Morse code in a song
by Conard Murray <ws4s@InfoAve.Net>
- 41) [1653] Ham Software for Soundblaster cards
by Bill Jones <kd7s@psnw.com>
- 42) [1654] Re: Morse code in a song
by "David Maliniak" <dmaliniak@penton.com>
- 43) [1655] FOX: N/T Fox Friday night - n0glm

by "Buck, Preston D" <BuckPD@corning.com>
44) [1656] Re: Morse code in a song
by Andy Fox <foxes@theriver.com>
45) [1657] RE: FOX: N/T Fox Friday night - n0g1m
by "Buck, Preston D" <BuckPD@corning.com>
46) [1658] Re: Hello!
by Sam <kc5tja@animeonline.ml.org>
47) [1659] Re: Morse code in a song
by "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
48) [1660] 38s enclosures
by n1wcc@juno.com (russel a hillman)
49) [1661] OHR-1000
by William Wyatt <wbw95k@timon.acu.edu>
50) [1662] Twist on Elmer Project
by KB9RPD <KB9RPD@aol.com>
51) [1663] FOXHUNT SCORES
by adams@chuck.dallas.sgi.com (Chuck Adams)
52) [1664] FOXHUNT SCHEDULE
by adams@chuck.dallas.sgi.com (Chuck Adams)
53) [1665] Dogsled Team Back Safe and Sound
by Nick Franco <kf2ph@bnl.gov>
54) [1666] Re: Elmer Projects
by Steven Weber <kd1jv@moose.ncia.net>
55) [1667] Re: [CW] New Product Announcement
by "Marshall Emm" <mgemm@mtechnologies.com>
56) [1668] Re: OHR-100
by Ed Loranger <we6w@qsl.net>
57) [1669] FS: Radios
by ckrelic@usaor.net
58) [1670] Which drawing program?
by ea8yu Goran <rodriguez@jet.es>
59) [1671] Big Response to Zipper Fix!
by Ed Loranger <we6w@qsl.net>
60) [1672] Tuna Tin 2 Schematic on Norcal Web Page
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
61) [1673] Re: Tuna Tin 2 Schematic on Norcal Web Page
by jeverhar@camden.lmco.com
62) [1674] Older HF rig wanted + advise
by Michael Neverdosky <MichaelN@cycat.com>
63) [1675] RF volt meter
by Michael Maiorana <mikemo@ibm.net>
64) [1676] WAS CW - DE & ND
by Jeff & Bea Hahn <jhahn@bellatlantic.net>
65) [1677] Elmers wanted...take charge yourself
by Glen Leinweber <leinwebe@mcmail.cis.mcmaster.ca>
66) [1678] Re: RF volt meter
by "J. Skalski" <jskalski@acsu.buffalo.edu>
67) [1679] Houston Livestock Show & Rodeo

- by K5BDZ <K5BDZ@aol.com>
- 68) [1680] Regarding the "Elmer/Tutorial" thread
by ka7you@juno.com
- 69) [1681] Re: Morse code in a song
by n7mfb@juno.com (Bill Todd)
- 70) [1682] RE: WAS CW - DE & ND
by gregoire@endor.com
- 71) [1683] FS: BENCHER BY-2; HAMBREW ISSUES
by "Charles P. Sammut" <csammut@limbach.com>
- 72) [1684] FOX SCORES UPDATED
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 73) [1685] Sold on the OHR-100
by William Wyatt <wbw95k@timon.acu.edu>
- 74) [1686] Re: Which drawing program?
by WB0NZM <WB0NZM@aol.com>
- 75) [1687] CW in song
by bcutter@teal.csn.net (Bob Cutter)
- 76) [1688] Poor Man's Spectrum Analyzer?
by John Seboldt <rohrwerk@pconline.com>
- 77) [1689] Surface Mount Treasurechest!
by Ed Loranger <we6w@qsl.net>
- 78) [1690] Re: Elmers wanted...take charge yourself
by "Bill Kelsey - N8ET - Kanga US" <kanga@mail.bright.net>
- 79) [1691] Re: Hello!
by Leon Heller <leon@lfheller.demon.co.uk>
- 80) [1692] Dayton Rooms
by "Bill Kelsey - N8ET - Kanga US" <kanga@mail.bright.net>
- 81) [1693] Re: Poor Man's Spectrum Analyzer?
by Ed Loranger <we6w@qsl.net>
- 82) [1694] Re: Hello!
by Sam <kc5tja@animeonline.ml.org>
- 83) [1695] Re: Houston Livestock Show & Rodeo
by bruce muscolino <w6toy@pop.erols.com>
- 84) [1696] Re: Elmers wanted...take charge yourself
by bruce muscolino <w6toy@pop.erols.com>

Date: Thu, 22 Jan 1998 00:08:03 +0000
From: Ed Loranger <we6w@qsl.net>
To: foxes@theriver.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [1613] Re: Battery Charging Info
Message-ID: <34C68DE3.57F3@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

<http://www.homepower.com/files/63p42-65.pdf>

For the article and circuit just click on the above.

You'll need to print out pages 42 thru 45 for the entire article.

It sure is nice to see an article we can actually build with junkbox parts. (At least my Junkbox =8^0)

NO custom Proprietary IC's, widget wands, permeability sensitive hemo-dur-mater cyclotragedies!

Just some common parts.

Thanks for the info, Andy.

-Ed

--

Recipient of coveted Samuel F. B. Morse Award, NTTC Pensacola, FL 1977.
72/73 de we6w qrp es CW ONLY; Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (From Non-Ham to Extra in one Day.)

Date: Wed, 21 Jan 1998 19:16:20 -0500
From: Tim English <timeng@concentric.net>
To: qrp-l@Lehigh.EDU
Subject: [1614] Gel Cell Batteries
Message-ID: <3.0.5.32.19980121191620.00895100@pop3.concentric.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Here is my latest inventory on gel cell batteries with some new LOWER prices than in the past. First of all the used cells are used in burglar alarm systems as backup power and are replaced every 3 - 5 years as preventive maintenance whether they are bad or not. All cells I sell I guarantee to "up to snuff" and each is load tested at 1 amp for an hour. The used cells should provide another 2 -3 years of solid usage. The 6 and 7 AH cell measurements are: 6 inches long, 2 1/2 inches wide and 3 3/4 inches tall with 1/4" color coded spade lugs on the top. Most are manufactured by Yuasa for Radionics INC but there are also some Interstates, Power Sonics, Yuasa and Rocket brands. Here is what I have on hand currently. All prices INCLUDE priority mail shipping.

3 used - 12VDC 6AH gel cells --- \$10 SHIPPED CONUS
0 used - 12VDC 6.5AH gel cell --- \$10 SHIPPED CONUS (SOLD OUT)

1 used - 12VDC 7AH gel cells --- \$12 SHIPPED CONUS
0 NEW - 12VDC 7AH gel cells --- \$15 SHIPPED CONUS (SOLD OUT)
0 used - 12VDC 4AH gel cell --- \$8 SHIPPED CONUS (SOLD OUT)

I accept personal checks and money orders, NO credit cards.
If you want one email me quickly as they will go very fast and I will set one aside. If payment is not received within 10 days I will assume you have changed your mind and will make the cell(s) available to someone else.

--

Tim, K8TJ

Date: Wed, 21 Jan 1998 18:30:00
From: Mark Kesner <marklori@visuallink.com>
To: qrp-l@Lehigh.EDU
Subject: [1615] RE: Elmer Kit
Message-ID: <3.0.3.16.19980121183000.3fc75484@visuallink.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I would be very interested in such a project if the cost can be kept down. Times aren't easy for some of us in our "booming" economy. I did see a project in CQ that was done in stages and used a modular format to build a 40m rig.

The dates were August-December of '93. I have the mags but no way to scan the articles for you. It would seem to be an ideal project for the modular approach. Started with a simple code osc. and DC receiver and ended up as a nice superhet. I started the project years ago and never finished it as I ran hard into my first VFO and never recovered. It would also not require any PC boards as it was also a basic tutorial on "ugly" construction. A very good technique was used for the "ugly" stuff that even I grasped right off. Just a suggestion... BTW thanks to all for the info on the Fox hunts.

73
Mark
KC4GIA

Date: Wed, 21 Jan 1998 19:36:11 EST
From: WDIGFM <WDIGFM@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [1616] unsubscribe

Message-ID: <ca31c034.34c6947f@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

unsubscribe qrp-l

Date: Wed, 21 Jan 1998 19:39:10 EST
From: KF4EIB <KF4EIB@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [1617] Brass Monkey ???
Message-ID: <b4971474.34c69533@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hark Fair Maidens and Chivalrous Knights,

In regards to Sir Derek and his explanation of the Brass Monkey....

If it is indeed cold enough to freeze the *cannon balls* off of a *monkey*,
IMHO it may also be cold enough to "Stick By His Guns".

I.E. Guns - Metal
 Stick - Hands frozen to metal

Reason ? Damp hands from waiting to get on the air QRP.
 Sweaty palms from QRM.
 Let the thread begin.....

In days of old when knights were bold....uhhh cold.

Regards from Squire Gordon in the wings.

Date: Wed, 21 Jan 1998 19:44:51 EST
From: RangerSF5 <RangerSF5@aol.com>
To: qrp-l@Lehigh.EDU, njqrp@njqrp.org
Subject: [1618] MFJ QRP MODS???
Message-ID: <9ebcdcbd.34c69686@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Can some one out there in the qrp world supply me with any modifications for

the MFJ CW qrp rigs??
Thank you
Bob
WA2HOQ QRP-L #1437

Date: Wed, 21 Jan 1998 17:29:16 -0800
From: rheiss@sprynet.com (Rob Heiss)
To: qrp-1@Lehigh.EDU
Subject: [1619] Re: Double Bazooka...Broadbanding...
Message-ID: <199801220129.RAA13470@m5.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Gang, when I was active on 80 meters the antenna was like half of a double-bazooka, fed against ground. It got out well enough to work Japan. SWR was below 3:1 and almost perfect mid-band.

Before putting that up, I tried 65 feet of plain antenna wire. I think that three factors slightly increase the bandwidth:

1. larger diameter
2. double-tuning effect of stub
3. resistive loss in the stub

If open wire, ladder line, or twin lead were substituted for the coax, we would call that a folded antenna. However, the same three broadbanding principles would still apply, with comparable results.

Many hams hate coax. It doesn't bother me; what I wanted to avoid is going through the tuner ceremony at every QSY. Just click-click and go!

73, Rob K06KA rheiss@sprynet.com

Date: Wed, 21 Jan 1998 20:17:35 +0000
From: Michael Miller <ka9dfi@owc.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [1620] a
Message-ID: <34C657DF.F@owc.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

unsubscribe qrp-l

Date: Wed, 21 Jan 1998 21:22:30 -0500
From: W2MY & W2MBY <n2mnn@spacegate.com>
To: QRP-L@Lehigh.EDU
Subject: [1621] FOX: Fri Night N/T Fox, W2MBY
Message-ID: <34C6AD66.231A@spacegate.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi,

I'm N/T Fox again Friday night local time, (Jan 24, 00:00 to 02:00 UTC, Saturday), on 7.141. I will be using a TS-850 at 5W, and a DSP, to a vertical loop, from NNJ. I hope to work you.

72,

John, W2MBY
age:11

Date: Wed, 21 Jan 1998 20:30:07 -0600
From: "Basil (Darin) Arrick" <basila@onramp.net>
To: ji3m@maxwell.com (James R. Duffey), qrp-l@Lehigh.EDU
Subject: [1622] Re: Elmer Projects (long)
Message-ID: <199801220229.UAA14936@mailhost.onramp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

I think that this is a great idea. I, for one, would take part, as I'm trying to learn more about radio theory. A series of projects like this, along with a standard "textbook" (Mr. DeMaw's QRP Notebook, for example), would be great. It could be done via the QRP-L list here, with questions answered by more knowledgeable folk. Man, talk about a great learning experience.

You know, this is one of the most informative, helpful, and friendly mailing lists that I've ever seen. I'm impressed. Good job everyone!

Darin "Basil" Arrick, KB5KHR
basil@homestead.org

> Brian - I read your post on "Elmer kits" with some interest. I have toyed
> with similar ideas. If the AZ sQRPions are considering something along
> these lines, I would like to share some of my thoughts on the subject with
> you.
>
> I think that the kits, or projects, as I prefer to call them, should lead
> to something useful, help the builder learn concepts and not just plug
> components in and solder, be straightforward to build, require a minimum of
> test gear, and, upon completion, result in the builder being able to
> undertake simple projects such as those printed in QST or the Handbook. Oh
> yeah, he ought to build something he can use and show off out of the whole
> thing too.

+-----+-----+-----+		
Basil (Darin) Arrick	P.O. Box 820054, North Richland Hills, TX, 76182	
+-----+-----+-----+		
basil@orthodox.net	Orthodox Christian	http://www.orthodox.net
basil@homestead.org	Homesteader/Farmer	http://www.homestead.org
ICQ # 3352463	ICQ User	http://www.mirabilis.com
	Microsoft NetMeeting	ils.family.four11.com
KB5KHR	Amateur (Ham) Radio	EM13ja
+-----+-----+-----+		

Date: Wed, 21 Jan 98 19:44:15 MST
From: af852@rgfn.epcc.Edu (William R Colbert)
To: qrp-1@Lehigh.EDU
Subject: [1623] [v31xe@dzn.com: congratulations]
Message-ID: <9801220244.AA18622@rgfn.epcc.Edu>

===== Begin forwarded message =====

From: v31xe@dzn.com ("William R. Colbert")
To: af852@rgfn.epcc.Edu
Subject: congratulations
Date: Wed, 21 Jan

Date: Tue Jan 20 20:22:10 1998
To: qrp-1@lehigh.edu, wmcshan@REX.RE.ouhsc.edu
Subject: congratulations

Mike, just read about your acquiring your extra ticket - congratulations on your successful completion of your efforts.

Secondly, I want to thank you for taking the time and effort to make copies of the Heath HD1410 keyer. I just received my copy today and it looks great. Again thanks. Hope to hear you soon-good dx. 73

Ray

--

Ray Colbert, W5XE
00TC 3618, SOWP 1064M
El Paso, Tx (Far West Texas)
(also: v31xe@dzdn.com)

Date: Wed, 21 Jan 1998 21:42:13 -0500
From: Rich Bachmann <bachmann@ari.net>
To: "'ekdave@earthlink.net'" <ekdave@earthlink.net>
Cc: "'qrp-l@lehigh.edu'" <qrp-l@Lehigh.EDU>
Subject: [1624] Small Wonders WM-20 SSB mods & tips?
Message-ID: <01BD26B5.71418FA0@ppp_bach.ari.net>

Dave,

I put the WM20 together just before Christmas and had the same idea about the AADE counter. It is pretty straight forward to attach, I used a piece of RG-174 coax to go from the counter to one side of the 100 ohm resistor at T6. The offset you dial in on the counter depends on the actual frequency of the IF. Mine was ~1960 Hz below 8 MHz so the offset was set so that the counter reads "7.9980 MHz USB" when the counter input is shorted. The way it is hooked up, it reads within about 50 Hz of the where the carrier would be if it were AM. When you get to that part, we can compare notes. Yours may require a different offset.

The other mod I did was to add a bandspread. The ten turn tuning pot requires a light touch when you are trying to tune a signal to sound correct. By putting a 1k ganged linear pot into the tuning scheme, you can offset the 100k ten turn pot in a range between + or -500 ohms, about ten times the rotational sensitivity of the main tuning. It is about 2500 Hz range at 14.250. I used a similar scheme in my Dayton 38 special entry

only the ganged pot was a 100k, the bandspread was 10k (later changed to 25k because 10k was too fine), and both pots in that case were single turn.

This bandspread scheme was written up later on this list and then in QRP Quarterly.

After someone had mentioned it on qrp-l, I replaced the 47 uF cap at U6-B with a 10 uF but I'm going to change it back. I think I had greater success with the deeper sound. In that same posting I think they mentioned a CW mod.

BTW: Ten-Tec makes a #1551 speech processor kit for \$12. Analog Devices makes a microphone preamp chip with variable compression and noise gating, it is SSM2166P (14 pin dip). The SSM2165 is an 8 pin version with unity buffer gain and a preset noise gate threshold.

I hope this is helpful.

73, Rich, N3SLR
bachmann@ari.net

Date: Wed, 21 Jan 1998 20:52:04 -0600
From: Rod Logsdon <bike4life@bikerider.com>
To: QRP-L List <qrp-l@Lehigh.EDU>
Subject: [1625] FS: MFJ-9020
Message-ID: <34C6B454.18D800F5@bikerider.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Well I finished up my OHR-400 a couple of weeks ago and I'm really enjoying it. Now my MFJ-9020 is just sitting on the desk gathering dust. I would certainly like to find a new home for it.

I'm asking \$100.00 for the 9020 and this price includes shipping to CONUS.

72 ... de Rod WK9T
Carol Stream, IL QRP-L # 616

--

Date: Wed, 21 Jan 98 18:57:27 PST
From: Paul Erickson <paul1@wizard.ucs.sfu.ca>
To: bachmann@ari.net
Cc: qrp-1@Lehigh.EDU (qrp)
Subject: [1626] Re: Small Wonders WM-20 SSB mods & tips?
Message-ID: <9801220257.AA20084@wizard.ucs.sfu.ca>

> BTW: Ten-Tec makes a #1551 speech processor kit for \$12. Analog Devices
> makes a microphone preamp chip with variable compression and noise gating,
> it is SSM2166P (14 pin dip). The SSM2165 is an 8 pin version with unity
> buffer gain and a preset noise gate threshold.

>
> I hope this is helpful.

>
> 73, Rich, N3SLR
> bachmann@ari.net
>

Hi Rich, is the speech processor still available? I was under the impression
that it had been discontinued.

cheers, Paul
VE7CQK
email: paul1@wizard.ucs.sfu.ca

Date: Thu, 22 Jan 1998 01:28:50 GMT
From: k8cv@juno.com
To: qrp-1@Lehigh.EDU
Subject: [1627] Do no harm.....
Message-ID: <19980122.025631.9086.0.k8cv@juno.com>

Some receivers have a squelch control and that will make you think it is
dead if it is inadvertently turned up.

Walt k8cv

Date: Wed, 21 Jan 1998 22:12:45 -0500
From: Rich Bachmann <bachmann@ari.net>
To: "'Arjen.Raateland@vyh.fi'" <Arjen.Raateland@vyh.fi>
Cc: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>

Subject: [1628] Re: preventing destruction of gel cell?
Message-ID: <01BD26B9.B54364E0@ppp_bach.ari.net>

Arjen,
I looked around for a latching relay, not much luck. Digikey shows an Aromat DSP series Dual Latching General purpose relay, Aromat part number DSP1-L2-DC5V, Digikey part number 255-1055-ND . It is a 5 volt, 83 ohm coil, and has DPST, 5 amp, 30vdc contacts. I think it has a separate coil to open it and another to close it. They have a web site, <http://www.digikey.com> . If you search on the digikey part number at the web site, it will turn up. It isn't double throw or 16 amps, but it might be good for a small rig.

Hope this helps.

73, Rich, N3SLR
bachmann@ari.net

Date: Wed, 21 Jan 1998 20:17:42 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-l@Lehigh.EDU, cqclist@lists.csn.net, cw@qth.net
Subject: [1629] New Product Announcement
Message-ID: <199801220417.VAA02981@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Milestone Technologies is pleased to announce the availability of the ElectroInstrument "Key-8" paddle with built-in keyer. A picture can be found on our web site: <http://www.mtechnologies.com/key8.htm>

This superb example of Soviet engineering is a delight to use and a wonder to look at. The maker is the ElectroInstrument factory in Voronezh, Russia (RSFSR in the former Soviet Union).

ElectroInstrument was a Soviet Military contractor, specializing in aerospace equipment and electronics. They survived the re-structuring of the USSR and now make televisions as well as their more specialized products.

The first thing you notice about the Key-8 is the unique styling, which says immediately that this paddle is different. The body is

perfectly polished chrome, and the base plate, machined from solid brass 3/8" thick, adds considerable weight-- this puppy weighs almost three and a half pounds! The base of the Key-8 is 4" in diameter and the height is 3", with the fingerpieces extending just over an inch from the front of the body.

Paddle tension and spacing are independently adjustable, and the action is smooth and precise. There is a small amount of "tactile feedback" which makes it feel a bit like a magnetic paddle, but in fact it's all mechanical. The contacts are silver.

The built-in electronic keyer is not iambic-- that is, squeezing both paddles will result in a string of either dits or dahs, not alternating dits and dahs-- but instructions for bypassing the keyer (to use the paddle with an external keyer) are provided.

The keyer requires +6-15VDC. A side-tone oscillator is included, and the speed is set from a knob on the top of the body. Speed range is spec'd at 5-50WPM. Output keying is by means of an internal metal thread relay, so the key line is electrically isolated from the keyer and you don't have to worry about polarity or voltage (within the specified limits).

All connections to the keyer are by way of a 5-pin DIN socket on the back of the base (we'll include a matching 5-pin DIN plug and wiring instructions).

Key-8 Specifications:

Dot/Dash Ratio	1:3
Dot/Space Ratio	1:1
Speed Range (WPM)	5-50
Power Supply	+6-15VDC
Sidetone Frequency	850Hz (+/-250)
Operating current	50mA max
Keying voltage	30V max
Keying current	100mA max
Weight	1.3Kg (3Lb 6.50z)
Price	\$129.95
Shipping in USA	\$5 (Priority Mail) (FedEx available)

Call 800-238-8205 for credit card orders
or call 303-752-3382 for more information.

n1fn@mtechnologies.com
Milestone Technologies
Software, kits, tools...
<http://www.mtechnologies.com>
(303)752-3382
--

Date: Wed, 21 Jan 1998 21:54:27 EST
From: RangerSF5 <RangerSF5@aol.com>
To: njqrp@njqrp.org, qrp-1@Lehigh.EDU
Subject: [1630] CW FOEVER AND EVER
Message-ID: <53437c1f.34c6b4f8@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

You must have at times,thought into the past,
where some things go out while others last
What comes to my mind is the old Morse code,That has weathered the storms from
any abode.
To talk with ones fingers is surely an art,Of any info you care to impart,In
most conditions the signals get through,
While the same about phone is simply not true.
Thoes dits and dahs cut through the trash,Of near by noise or lighting's
crash.
To the sensitive ears of the hams receiver,Who records this data with ardent
fever.
He knows he's doing something unique,(in such poor conditions,thats quite a
feat)
To roger the message thar came off the air,These brass pounders sure do have
that flair.
They say Morse ops are a dying breed,
But don't despair,there's always that need,
That when conditions get rough for the new automation,
Be rest assured,there'll be need for your station.
CW is dying?believe it never,This mode will be 'round forever and ever.
But one thing is sure ,what we really need,
Is to relay our knowledge to the younger breed.
To carry the torch,long after we're gone,
To send Morse Code thru the air like a song.
When at last,Silent keys pull that lever,
We can rest in peace,it's CW forever

Jim Hatherley,WA1TBY 7/4/85

Submitted to me from Betty A. Broome, VE3ZBB Re:our 2 way qrp qso

12/26/97/7.037
Mode CW,4 watt rst 589
Bob WA2HOQ
QRP-L #1437

Date: Wed, 21 Jan 1998 22:45:48 -0500
From: mikemo@ibm.net
To: qrp <qrp-1@Lehigh.EDU>
Subject: [1631] Morse code in a song
Message-ID: <34C6C0EC.5CD0@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I've listened to the band "Rush" for years. Since I'm new to the code, I just caught something in one of their songs. The song is called "YYZ" and the rhythm goes "dah di dah dah dah di dah dah dah dah di dit".

Hmmm, YYZ, cool huh? I wonder if one of the band members is a Ham?

Now if I can just stop trying to copy that squeek that my shower head makes, I'll be OK.

Sorry for the wasted BW, just thought it was cool.
72 de kf4trd
Mike Maiorana

Date: Wed, 21 Jan 1998 21:00:34 -0700
From: "Karl B. Staddon" <ve6kbs@AGT.NET>
To: mikemo@ibm.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [1632] Re: Morse code in a song
Message-ID: <34C6C462.74E3@agt.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Rush, as you probably know, is based on Toronto, Ontario. If I'm not mistaken YYZ is the airline code for Toronto. Coincidence or design - I'd bet on design - those guys are pretty sophisticated.

Cheers de Karl VE6KBS, CALGARY AB

mikemo@ibm.net wrote:

>
> I've listened to the band "Rush" for years. Since I'm new to the code, I
> just caught something in one of their songs. The song is called "YYZ" and
> the rythm goes "dah di dah dah dah di dah dah dah dah di dit".
>
> Hmmm, YYZ, cool huh? I wonder if one of the band members is a Ham?
>
> Now if I can just stop trying to copy that squeek that my shower head
> makes, I'll be OK.
>
> Sorry for the wasted BW, just thought it was cool.
> 72 de kf4trd
> Mike Maiorana

Date: Wed, 21 Jan 1998 21:55:55 -0800 (PST)
From: Sam <kc5tja@animeonline.ml.org>
To: qrp-1@Lehigh.EDU
Subject: [1633] Hello!
Message-ID: <Pine.LNX.3.96.980121214130.14901A-100000@animeonline.ml.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Howdy!

This is my first message on this list, so perhaps an introduction is in order.

I'm a tech+ living in Southern California, and am interested in homebrewing. I've not a lot of financial resources to play with however... :(

I'm currently trying to build a 40m VFO. While I got the series-tuned Colpitts oscillator itself working, I'm having difficulty building the buffer/amplifier for it. I wanted the amplifier to have a voltage gain of 15, but it's more like 4. :(If anyone is interested, I'll make a schematic picture of what I had in mind for the final circuit. In addition, harmonics makes it impossible to use as is (I NEVER expected it to have THAT much harmonics!).

The amplifier that I built has a tank for a collector load, tuned (in theory) to 7.15MHz. The emitter has a bypass capacitor on it as well. I am using a 2N3904 transistor. The amplifier is a class-A type. The idea was that the tank offered a rather large impedance at the desired

operating frequency, thus maximizing gain, whereas all other frequencies minimized it due to a reduction in tank impedance. This, in theory, would allow me to produce a usable clean sine wave.

In practice, however, it cleans up the signal marginally. In fact, it amplifies the phase noise (as expected), and the harmonics too! I'm starting to think that it could be stray capacitance, but I'm not experienced enough to say for sure... And yes, the circuit IS frequency sensitive... :)

Perhaps the first thing I should do is take the VFO off of the breadboard that it's currently on, and put it on vectorboard or perfboard, using point-to-point wiring. That should clear up some of the nasty harmonics, yes? Ditto for the RF buffer/amplifier, eh? :)

However, how do I filter the output so I can get a clean sinewave? I wrap my own coils, but again, I don't have multi-million dollars to spend either. I'm still learning analog electronics, and I don't make any claims that this radio is going to be used for very long (I intend on making better units as my electronics knowledge improves). In fact, my next radio design will likely be based loosely on the 38 Special (based on the schematics that I downloaded), but, again, for the 40m band.

The goal of this circuit is to be a 40m CW/AM transceiver, with emphasis on CW transception. This will be the radio that I want to use to improve my morse code speed on, so I can get my General license.... :)

Thanks for listening to my ramblings. And now, back to our usual bandwidth...

P.S.: on the 40m VFO, I was impressed at how stable the circuit was. I put the thing in a solid metal box, in close proximity to the box walls, and the circuit did not visibly drift in frequency (my o'scope has a frequency counter with 4 significant digits in it). Granted, the metal box wasn't grounded either... Will grounding the box have any noticeable effects on circuit operation?

=====

-| TEAM DOLPHIN |-
Chief Architect and Project Founder
(web page under construction)

PGP 5.0 Public Key Available Upon Request.

Date: Thu, 22 Jan 1998 00:03:08 -0500 (EST)
From: Scott Bauer <ke3nv@erols.com>
To: mikemo@ibm.net, qrp-1@Lehigh.EDU
Subject: [1634] Re: Morse code in a song
Message-ID: <199801220503.AAA18375@smtp1.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Have you heard "Planet Claire" By the B-52's ??
Give that one a listen too ;-)) More code!!

Scott

At 10:45 PM 1/21/98 -0500, you wrote:
>I've listened to the band "Rush" for years. Since I'm new to the code, I
>just caught something in one of their songs. The song is called "YYZ" and
>the rythm goes "dah di dah dah dah di dah dah dah di dit".
>
>Hmmm, YYZ, cool huh? I wonder if one of the band members is a Ham?
>
>Now if I can just stop trying to copy that squeek that my shower head
>makes, I'll be OK.
>
>Sorry for the wasted BW, just thought it was cool.
>72 de kf4trd
>Mike Maiorana
>
>
>

Date: Wed, 21 Jan 1998 22:00:56 -0700
From: "Karl B. Staddon" <ve6kbs@agt.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [1635] QRP WATTMETERS
Message-ID: <34C6D288.5363@agt.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'm considering purchasing the Oak Hills Research WM-2 QRP Wattmeter. I already have an Autek Research WM 1 Computing Meter, but it doesn't have very good resolution below 1 watt which is what I'm interested in.

Any views on the Oak Hills WM-2 or alternate units that I should consider

would be most appreciated.

Cheers de KARL VE6KBS CALGARY, AB.

Date: Wed, 21 Jan 1998 22:14:51 -0700
From: wa5whn@juno.com
To: qrp-l@Lehigh.EDU
Cc: n7tx@primenet.com
Subject: [1636] 8Q7AA Maldives DXpedition/ Az. scQRPion N7TX
Message-ID: <19980121.221456.2662.0.wa5whn@juno.com>

qrp-lers,

If one of the 8Q7AA CW Ops {N7TX} & his Lovely Bride {KC7TIW}, sounds familier, well, they should. One of the CW Ops, for 8Q7AA, is N7TX, formerly AB7PF. Steve was air mobile, for the NorCal QRPTTF '96. His Wife, KC7TIW is one of the SSB Ops @ 8Q7AA.

<http://www.cadxa.org/>

Click on the 8Q7AA icon. FYI, they were 549 on 7.006 MHZ @ 2300 UTC into DM65 today {Jan. 21rst}. Go get 'em. BTW, the QSL Manager is N7TX for 8Q7AA. They will be there through Jan. 28th. A propagation chart is provided @ this web site listed above.

T minus 16 days & counting, until FYBO '98, which is sponsered by the Az. scQRPions. Do You have Your' site picked out yet ?

72...Jay,

WA5WHN DM65qd Albuquerque, NM USA

Date: Thu, 22 Jan 1998 00:22:44 -0500 (EST)
From: Scott Bauer <ke3nv@erols.com>
To: ke3nv@erols.com, qrp-l@Lehigh.EDU
Subject: [1637] Re: Morse code in a song
Message-ID: <199801220522.AAA16122@smtp2.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The entire song has a message from "CFH"

Embedded into the background. Anyone know who CFH is??
Starts out with NAWS de CFH ii ZKR F1 338.

At 12:03 AM 1/22/98 -0500, you wrote:

> Have you heard "Planet Claire" By the B-52's ??
> Give that one a listen too ;-)) More code!!

>

> Scott

>

>At 10:45 PM 1/21/98 -0500, you wrote:

>>I've listened to the band "Rush" for years. Since I'm new to the code, I
>>just caught something in one of their songs. The song is called "YYZ" and
>>the rythm goes "dah di dah dah dah di dah dah dah dah di dit".

>>

>>Hmmm, YYZ, cool huh? I wonder if one of the band members is a Ham?

>>

>>Now if I can just stop trying to copy that squeek that my shower head
>>makes, I'll be OK.

>>

>>Sorry for the wasted BW, just thought it was cool.

>>72 de kf4trd

>>Mike Maiorana

>>

>>

>>

>

>

>

>

>

Date: Wed, 21 Jan 1998 22:37:56 -0700 (MST)

From: Joe Gervais <vole@primenet.com>

To: qrp-1@Lehigh.EDU

Subject: [1638] Re: Morse code in a song

Message-ID: <199801220537.WAA08166@usr07.primenet.com>

Scott (KE3NV) wrote:

>

> Have you heard "Planet Claire" By the B-52's ??

> Give that one a listen too ;-)) More code!!

Good grief - figured I was the only QRP-Ler who listened
to the B-52s! While you're at it, check out a song by

The Police in the early '80s. Lead singer Sting proudly sings "dit dah dah dah" as part of the chorus. Right before that he even does an imitation of a Cuban sig by singing "dit doo doo doo"! :-)

Better yet, I believe those two phrases together are the title of the song. Those Brits always had good taste. :)

And of course one of Joe Jackson's big hits in early '80s had him singing, "You're gonna hear me on the radio!"

But for the truly all-time Ham anthem, do any of you 35-and-under hams remember the Polecats singing the chorus, "Diode cathode electrode overload generator oscillator, make a circuit with me!"

My Gawd the early '80s were a great time to be a young nerd!!! I'm gettin' all weepy just thinkin' about it....

Excuse me... *sniff* ... I have to go put on some old LP's and pull my Apple][+ out of the closet... *sniff*

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"The Smart Patrol! Nowhere to go! Suburban robots who monitor reality!" -- DEVO

Date: Wed, 21 Jan 1998 23:36:53 -0800 (PST)
From: "David D. Meacham" <ddm@datatamers.com>
To: Paul Christensen <paulc@mediaone.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [1639] Re: SST Frequency Range Modification
Message-ID: <Pine.LNX.3.91.980121233339.12990D-100000@dt1.datatamers.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Paul,
I tried it and had unsatisfactory results. Others have had good results. I think it has to do with how well the two xtals are matched. I had only one to try, and did not compare the two.
72, Dave, W6EMD

Date: Wed, 21 Jan 1998 23:32:26 -0700
From: "Steve Hurst" <shurst@magiclink.com>
To: <ke3nv@erols.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [1640] Re: Morse code in a song
Message-ID: <199801220631.BAA156162@nss4.cc.Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Oh yeah ? Well..... try listening to these backwards then see
what cha get !! ! !

(-:
37
evetS, CON7AK
moc.kinlcigam@tsruhs

>
> The entire song has a message from "CFH"
> Embedded into the background. Anyone know who CFH is??
> Starts out with NAWS de CFH ii ZKR F1 338.
>
> At 12:03 AM 1/22/98 -0500, you wrote:
> > Have you heard "Planet Claire" By the B-52's ??
> > Give that one a listen too ;-)) More code!!
> >
> > Scott
> >

Date: Thu, 22 Jan 1998 02:34:23 -0500
From: "Dan L. Evans" <dlevans@hsonline.net>
To: QRP-1@Lehigh.EDU
Subject: [1641] Re: Elmer Projects
Message-ID: <3.0.1.16.19980122023423.217f947a@mail.hsonline.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Articles on building radios have *always* been

>written for people who already know how to build
>radios! Whether you realize it or not, it's true.
>I've found a few *rare* exceptions, but that's it.
>
>So there you have it. I *really* want to build my
>own radios from scratch.
>Cheers de AB7TT,
>
>-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

I've noticed this also! The missing transition from beginner to advanced is especially frustrating to me. What little electronic knowledge I have is all self taught, which tends to leave a lot of 'gaps'.

I would love to see the "elmer projects" materialize. Duffey's step by step process sounds great.

Looking forward to seeing more on this....

later,

Dan, N9RLA

Dan L. Evans [N9RLA]
72/73 from...EM78
QRP MOBILE CONTESTOR!!!
CQ_DE_dlevans@hsonline.net

Remove the cq_de_ to email me, I hate SPAM!

Date: Thu, 22 Jan 1998 01:37:32 -0500
From: "Dan L. Evans" <dlevans@hsonline.net>
To: QRP-l@Lehigh.EDU
Subject: [1642] Re: "Effective" Antenna Height
Message-ID: <3.0.1.16.19980122013732.217f8a7c@mail.hsonline.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 08:49 AM 1/16/98 -0800, you wrote:

>Again I just let the tuner handle the mismatch. I don't think I
>ever even measured the SWR! Hey, it loads, so I just got on and had
>fun.

>cul,

>

>73, Ron, SOWP 5545M,

Hose clamps and wire nuts! I love it!! Sounds like some of my antenna
building techniques..

72/73 de Dan [N9 REAL LOSSY ANTENNAS]

Dan L. Evans [N9RLA]

72/73 from...EM78

QRP MOBILE CONTESTOR!!!

CQ_DE_dlevans@hsonline.net

Remove the cq_de_ to email me, I hate SPAM!

Date: Thu, 22 Jan 1998 07:17:46 +0000
From: Leon Heller <leon@lfheller.demon.co.uk>
To: kc5tja@animeonline.ml.org
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [1643] Re: Hello!
Message-ID: <b6WC4IAaKvx0EwQR@lfheller.demon.co.uk>
MIME-Version: 1.0

In message <Pine.LNX.3.96.980121214130.14901A-
1000000@animeonline.ml.org>, Sam <kc5tja@animeonline.ml.org> writes
>Howdy!

>

>This is my first message on this list, so perhaps an introduction is in
>order.

>

>I'm a tech+ living in Southern California, and am interested in
>homebrewing. I've not a lot of financial resources to play with
>however... :(

>

>I'm currently trying to build a 40m VFO. While I got the series-tuned
>Colpitts oscillator itself working, I'm having difficulty building the

>buffer/amplifier for it. I wanted the amplifier to have a voltage gain of
>15, but it's more like 4. :(If anyone is interested, I'll make a
>schematic picture of what I had in mind for the final circuit. In
>addition, harmonics makes it impossible to use as is (I NEVER expected it
>to have THAT much harmonics!).

>

>The amplifier that I built has a tank for a collector load, tuned (in
>theory) to 7.15MHz. The emitter has a bypass capacitor on it as well. I
>am using a 2N3904 transistor. The amplifier is a class-A type. The idea
>was that the tank offered a rather large impedance at the desired
>operating frequency, thus maximizing gain, whereas all other frequencies
>minimized it due to a reduction in tank impedance. This, in theory, would
>allow me to produce a usably clean sine wave.

>

>In practice, however, it cleans up the signal marginally. In fact, it
>amplifies the phase noise (as expected), and the harmonics too! I'm
>starting to think that it could be stray capacitance, but I'm not
>experienced enough to say for sure... And yes, the circuit IS frequency
>sensitive... :)

I'd sort out the oscillator first before building the buffer. Many of
the published circuits using JFETs don't seem to take account of the
wide spread in characteristics of the devices, and produce *very*
distorted signals. I had a similar problem with a Hartley oscillator,
and had to add a largish by-passed source resistor *and* a gate diode to
ground to get a decent waveform. The professionals seem to use biasing
systems similar to those used with BJTs, and separate AGC circuits using
op-amps (no gate diode) - that's how it was done in a couple of old
Marconi sig. gen.s I've got.

Once you have the oscillator producing a good sine wave, you can just
add a simple broadband buffer amplifier. You shouldn't have any problems
getting about 12 dB gain from any of the published circuits.

73, Leon

--

Leon Heller: leon@lfheller.demon.co.uk <http://www.lfheller.demon.co.uk>
Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424
See <http://www.lfheller.demon.co.uk/dds.htm> for details of my AD9850
DDS system. See " ["/diy_dsp.htm](#) for a simple DIY DSP ADSP-2104 system.

Date: Thu, 22 Jan 1998 06:56:33 +0000
From: Leon Heller <leon@lfheller.demon.co.uk>
To: mikemo@ibm.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [1644] Re: Morse code in a song
Message-ID: <1L4dUDAh2ux0EwFI@lfheller.demon.co.uk>
MIME-Version: 1.0

In message <34C6C0EC.5CD0@ibm.net>, mikemo@ibm.net writes
>I've listened to the band "Rush" for years. Since I'm new to the code, I
>just caught something in one of their songs. The song is called "YYZ" and
>the rythm goes "dah di dah dah dah di dah dah dah dah di dit".
>
>Hmmm, YYZ, cool huh? I wonder if one of the band members is a Ham?
>
>Now if I can just stop trying to copy that squeek that my shower head
>makes, I'll be OK.

There is also the introductory music for the Inspector Morse series on
the UK ITV channel. "MORSE" is played in Morse code. Actually, it isn't
quite right, they changed it a bit to make it fit in with the music.

Leon

--

Leon Heller: leon@lfheller.demon.co.uk <http://www.lfheller.demon.co.uk>
Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424
See <http://www.lfheller.demon.co.uk/dds.htm> for details of my AD9850
DDS system. See " /diy_dsp.htm for a simple DIY DSP ADSP-2104 system.

Date: Thu, 22 Jan 1998 16:55:14 +0800
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
To: RangerSF5@aol.com
Cc: qrp@pandora.lugs.org.sg
Subject: [1645] Re: CW FOEVER AND EVER
Message-ID: <34c70974.pandora@pandora.lugs.org.sg>

On Wed, 21 Jan 1998 21:54:27 EST, "RangerSF5" <RangerSF5@aol.com> wrote:
> When at last,Silent keys pull that lever,
> We can rest in peace,it's CW forever

Woahh!!! Now that's what I call ART. Great work Jim. Ya ought to submit this
to one of the mags!

73 de 9V1ZV Daniel

--

```
+-----+
| Daniel Wee | daniel@pandora.lugs.org.sg |
| 9V1ZV      |                               |
| QRP-L #667 | 9V1ZV@amsat.org               |
+-----+
```

+-----+-----+-----+-----+

Date: Thu, 22 Jan 1998 06:38:10 -0500 (EST)
From: "L. Jeffrey Hetherington" <jhetheri@freenet.npiec.on.ca>
To: Multiple Recipients of List <qrp-1@Lehigh.EDU>
Subject: [1646] Dayton Rooms
Message-ID: <Pine.SGI.3.96.980122063632.27927A-100000@freenet.npiec.on.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Rev. George has a good point. But even those of us closer to Dayton really don't want to sleep in cars. Some of us need to have things confirmed in the next few days, or risk not being able to attend at all.

Hope I get to see y'all there.

See Ya!

Jeff - VA3JFF

<http://www.geocities.com/Colosseum/2572/QRP.html>

=====

L. JEFFREY HETHERINGTON
Niagara Falls, Ontario, Canada
E-mail: L.Jeffrey.Hetherington@InternetAddress.com

Date: Thu, 22 Jan 1998 08:53:54 -0500 (EST)
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
To: Laurel ARC <larc-1@webtrek.com>, eax@w3eax.umd.edu, qrp-1 <qrp-1@Lehigh.EDU>, VHF Mailing list <vhf@w6yx.stanford.edu>
Subject: [1647] Shipping WAIVED on Ten-Tec group buy!
Message-ID: <Pine.LNX.3.95.980122085027.5704E-100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Good news!

We don't have to pay ANY shipping from Tennessee to Maryland (where I am) thus the only shipping you pay is from me to you once I part out the big boxes of stuff which will be sitting in my living room.

This will hopefully reinforce the "good deal" nature of this purchase.

The order window CLOSES on February 11, 1998.

10% off ANY kit that TT makes!!!

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
* 6m 82 grids on 8w * DXCC WAS WAC * QRP-L #147 * QRP ARCI #9054 *
* <http://w3eax.umd.edu/~ham> * ARRL Life Member /Laurel ARC/UMARA *
*** 301-549-1022 h 301-982-1015 w *** 35 wpm HF mobile CW Neon ***

Date: Thu, 22 Jan 1998 09:07:29 -0500 (EST)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: QRP Reflector <qrp-l@Lehigh.EDU>
Subject: [1648] FOX: STATE STANDINGS 1997/98 FOXHUNT
Message-ID: <Pine.LNX.3.93.980122085224.514A-1000000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

UPDATES:

TX TAKES THE LEAD!!! TX TAKES THE LEAD!! TX TAKES THE LEAD!

KS4L drags ME and LA into the fray, all in the same night.

KD1JV was the first NH pelt of the season, NH has since picked up
three more.

Only eight states have yet to get a pelt, c'mon gang lets get a FWAS
(Fox Worked All States)

Texas still unskinkable after 34 hunts, the average 9.74
pelts per hunt.

Hunters per Fox average is the still at a respectable 58 hunters per
fox. Almost 2000 pelts so far this season!!

Best one night runs so far: Fox - N9DD with 90 hunters (one every 80
seconds!!), Hunters - CA with 21 pelts (K50I as fox).

Top five are back have finally changed!

TX-331 CA-326 AZ-208 OK-88 CO/MN-73

SC	1	-	-	1	1	-	-	-	-	1	-	-	-	-	1	13	25
SD	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	2	32
TN	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	6	28
TX	10	8	11	17	11	7	15	11	7	13	11	15	9	8	13	331	1#
UT	-	-	-	1	1	-	-	-	2	-	-	-	-	-	-	20	22
VA	2	-	2	3	1	2	-	1	1	-	-	1	-	1	2	34	13
WA	1	-	-	-	-	-	1	-	-	-	-	-	1	-	-	8	28
WI	-	-	1	-	2	-	-	1	-	-	1	2	1	1	1	26	18
WV	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	2	31
GULF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	30

AB	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	28
BC	1	-	-	-	-	-	1	1	-	-	-	-	1	-	-	12	26
ON	2	-	-	1	-	2	-	2	1	-	-	3	-	-	1	27	18
SK	1	2	-	1	1	-	2	2	-	2	-	2	1	-	-	24	20
NW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	33

Q's 84 42 59 90 49 54 65 60 42 53 34 68 56 34 59 1972 -

STATES STILL FOXLESS: DC,DE,HI,KS,NE,RI,VT,WY

```
-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV ARRL-VE QRP WAS 27/10(w/c) | http://dns.vidtel.com/~ccart --
-- QRP-L #655 NORCAL #1891 QRP-ARCI #???? NJ-QRP #105 LIQRP #???? --
```

```
-----
Date: Thu, 22 Jan 1998 09:29:41 -0500 (EST)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [1649] Re: FOX: STATE STANDINGS 1997/98 FOXHUNT
Message-ID: <Pine.LNX.3.93.980122092507.514B-100000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII
```

On Thu, 22 Jan 1998, Chris Cartwright wrote:

> Texas still unskinkable after 34 hunts, the average 9.74 pelts per hunt.
 Make that:
 Texas still unsinkable after 34 hunts, they average 9.74 pelts per hunt.

> Top five are back have finally changed!
 ooops:
 The top five have finally changed!

Bob,

Try and put the corrections on your web page, I was a complete idiot at 3am when I was typing this, hopefully I can keep the "web" world from finding out too :)

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV ARRL-VE QRP WAS 28/13(w/c) | http://dns.vidtel.com/~ccart --
-- QRP-L #655 NORCAL #1891 QRP-ARCI #???? NJ-QRP #105 LIQRP #???? MDmW #5 --

Date: Thu, 22 Jan 1998 07:59:33 -0600
From: "Rattray, Bruce" <Rattray@siast.sk.ca>
To: "'ve6kbs@agt.net'" <ve6kbs@agt.net>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [1650] RE: QRP WATTMETERS
Message-ID: <ABB04875E11AD01191A40000F83092BE566FDC@STONE>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 7BIT

Hello Karl...I put a WM-2 together last year and consider it money well spent...it works great and now I know what my power is....sure is nice to no longer guess...it goes together with no problem at all and works first time...go for it...72 - Bruce(VE5RC)

-----Original Message-----

From: Karl B. Staddon [SMTP:ve6kbs@agt.net]
Sent: Wednesday, January 21, 1998 11:01 PM
To: Low Power Amateur Radio Discussion
Subject: QRP WATTMETERS

I'm considering purchasing the Oak Hills Research WM-2 QRP Wattmeter. I already have an Autek Research WM 1 Computing Meter, but it doesn't have very good resolution below 1 watt which is what I'm interested in.

Any views on the Oak Hills WM-2 or alternate units that I should consider would be most appreciated.

Cheers de KARL VE6KBS CALGARY, AB.

Date: Thu, 22 Jan 1998 09:23:57 -0500
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>
To: shurst@magiclink.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [1651] Re: Morse code in a song
Message-ID: <34C7567D.51C9@quartz.gly.fsu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Anyone remember the original Castle Wofenstein?

One of the missions had Commander Blaskewicz' mission sent out in code at abt 30 wpm.
Unfortunately, it did not help in finding a secret door.

Date: Thu, 22 Jan 1998 08:23:46 -0600
From: Conard Murray <ws4s@InfoAve.Net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [1652] Re: Morse code in a song
Message-ID: <01bd2741\$599a8be0\$0a2a9595@rpg.ece.tntech.edu>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"
Content-transfer-encoding: 7bit

I saw a BMW commercial last night on TNT during B5 ... had a nice dahhh dit dit dit dahh dahhh di dahh dahhhh rhythm running through it in fact, that is the only reason I noticed it at all.
73 de Conard, WS4S

Date: Thu, 22 Jan 1998 07:06:17 -0800
From: Bill Jones <kd7s@psnw.com>
To: qrp-1@Lehigh.EDU
Subject: [1653] Ham Software for Soundblaster cards
Message-ID: <34C76069.18008C9E@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Friends,

If you have a Creative Labs Sound blaster (or equivalent) sound card installed in your computer you may want to check out "Amateur Radio Sound blaster Software Collection" site at:

<http://www.muenster.de/~welp/sb.htm>

This site has downloadable programs for CW, ACARS, SSTV, RTTY, FAX, DSP, AMTOR, PACTOR, oscilloscopes, a.f. signal generators, sine wave generators, spectrum analyzers and more. Some programs are freeware, some shareware and others are commercial. If you find something you like and can put to use in your station, share your experience with the list.

Date: Thu, 22 Jan 1998 10:14:58 -0500
From: "David Maliniak" <dmaliniak@penton.com>
To: qrp-1@Lehigh.EDU
Subject: [1654] Re: Morse code in a song
Message-ID: <85256594.00539592.00@mail.penton.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Songs about radio... how about Peter Gabriel's "On The Air?" But if you think about the lyrics, Mozo was definitely QR0: "I got power, I'm proud to be loud...my signal goes out clear..."

72 David N2SMH
Glen Rock, NJ

Date: Thu, 22 Jan 1998 10:44:59 -0500
From: "Buck, Preston D" <BuckPD@corning.com>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [1655] FOX: N/T Fox Friday night - n0glm
Message-ID: <6B137F61081DD0118DF600805FEAC5C5C8EC25@SILVER.CORNING.COM>
Content-Return: allowed

Mime-Version: 1.0
Content-Type: text/plain

Greetings All,

Just a reminder that I am the N/T fox this Friday (23 Jan) from 1900-2100 EST, also known as 24 Jan 0000-0200 UTC. If the band is open and I am making contacts, I am willing to operate past 2100. Especially since I don't work on this Saturday.

I will start around 7.14 MHz and will shift as needed to avoid QRM. I usually try to shift no more than 3 kHz up or down but can't guarantee it. Code speed is about 10 WPM from my Yeasu 757GXII set for 5 w. Antenna is a G5RV at 20' center, 7' ends.

Good luck and I hope to hear you Friday.

73
Preston, n0glm

Date: Thu, 22 Jan 1998 08:49:29 -0700
From: Andy Fox <foxes@theriver.com>
To: dmaliniak@penton.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [1656] Re: Morse code in a song
Message-ID: <34C76A89.2CAA5C04@theriver.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Roger Waters has an album named "Radio KAOS" which has CW running in the background for pretty much the entire album. "R O G E R W A T E R S R A D I O K A O S" over and over and over...

It's all about a guy named Billy, turning the dial on his shortwave radio. He wanted to talk to the people...

--

Andy Fox, KK7HV
mailto:foxes@theriver.com
<http://personal.riverusers.com/~foxes/>

Date: Thu, 22 Jan 1998 10:57:46 -0500
From: "Buck, Preston D" <BuckPD@corning.com>
To: "'Monte Stark'" <ku7y@sage.dri.edu>
Cc: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [1657] RE: FOX: N/T Fox Friday night - n0g1m
Message-ID: <6B137F61081DD0118DF600805FEAC5C5C8EC26@SILVER.CORNING.COM>
Content-Return: allowed
Mime-Version: 1.0
Content-Type: text/plain

Greetings Ron,

Good Idea! Maybe I will make more contacts that way. My current QTH is just outside Corning, NY. I believe that FN12jg is the grid square, but I'm not 100% sure.

73,
Preston, n0g1m

> -----
> From: Monte Stark[SMTP:ku7y@sage.dri.edu]
> Sent: Thursday, January 22, 1998 10:52 AM
> To: Buck, Preston D
> Subject: Re: FOX: N/T Fox Friday night - n0g1m
>
> Hi Preston,
>
> I'll be looking for you.
>
> One thing that sure is nice.....if you would put your
> location in your posts. It would be nice to know where
> to point the antenna without having to take the time
> to look it up in the callbook server!
>
> Callsigns no longer mean anything!
>
> Thanks, and good luck tonight,
>
> 73, Ron, SOWP 5545M,
>
>KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
>ku7y@sage.dri.edu.....Washoe Lake, Nevada.....
>QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

>

Date: Thu, 22 Jan 1998 09:31:46 -0800 (PST)
From: Sam <kc5tja@animeonline.ml.org>
To: Leon Heller <leon@lfheller.demon.co.uk>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [1658] Re: Hello!
Message-ID: <Pine.LNX.3.96.980122092448.17022A-100000@animeonline.ml.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> I'd sort out the oscillator first before building the buffer. Many of
> the published circuits using JFETs don't seem to take account of the

I'm not sure if I mentioned it or not, but I'm using a 2N3904 NPN transistor. However, that difference shouldn't have any bearing on the operation of the VFO...

> wide spread in characteristics of the devices, and produce *very*
> distorted signals. I had a similar problem with a Hartley oscillator,

The 2N3904 is good for oscillator use up to about 300MHz or so... :) Is that a 'wide spread'? :D

> and had to add a largish by-passed source resistor *and* a gate diode to
> ground to get a decent waveform. The professionals seem to use biasing

I never considered using a bypass capacitor on the emitter resistor. But then again, I don't see how adding a bypass capacitor will help in a Colpitts oscillator, since the emitter is already tied to a cap to ground.

Perhaps it's simply the wrong value... that's a thought.

I used the circuit in the ARRL 1996 Handbook, page 14.15 (I think -- I could look it up). It's a series tuned Colpitts oscillator.

> Once you have the oscillator producing a good sine wave, you can just
> add a simple broadband buffer amplifier. You shouldn't have any problems
> getting about 12 dB gain from any of the published circuits.

Except the said published circuits give me a voltage gain of 4, not 10+... :) This, in conjunction with the massive harmonic content, may be due to stray capacitance -- that's why I'm rebuilding the circuit with a different layout.

Thanks for the tips though... At least now I know that an oscillator should be producing a fairly clean sinewave on its own...

=====

-| TEAM DOLPHIN |-
Chief Architect and Project Founder
(web page under construction)

PGP 5.0 Public Key Available Upon Request.

Date: Thu, 22 Jan 1998 10:31:50 -0600 (CST)
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [1659] Re: Morse code in a song
Message-ID: <Pine.OSF.3.96.980122103004.30328A-1000000@duke.usask.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> >>I've listened to the band "Rush" for years. Since I'm new to the code, I
> >>just caught something in one of their songs. The song is called "YYZ" and
> >>the rythm goes "dah di dah dah dah di dah dah dah dah di dit".
> >>
> >>Hmmm, YYZ, cool huh? I wonder if one of the band members is a Ham?
> >>

The story I heard is that one of the band members is into flying and that one of the radio beacons near Toronto is YYZ.

Brian.

+-----+
| Brian Buydens, Computing Services, University of Saskatchewan |
| email: Brian.Buydens@usask.ca http://duke.usask.ca/~buydens |
| VE5RDV |
| |
| DO NOT ADD ME TO ANY MAILING LISTS WITHOUT MY CONSENT !!! |
+-----+
| De beste schippers staan aan wal! |
+-----+

Date: Thu, 22 Jan 1998 11:35:41 -0500

From: n1wcc@juno.com (russe l a hillman)
To: qrp-l@Lehigh.EDU
Subject: [1660] 38s enclosures
Message-ID: <19980122.113543.3638.0.N1WCC@juno.com>

I thought all the custom 38s enclosures were mailed out last week..
Anybody from Massachusetts order or get one yet??
Aro l N1WCC

Date: Thu, 22 Jan 1998 10:52:48 -0600 (CST)
From: William Wyatt <wbw95k@timon.acu.edu>
To: qrp mailing list <qrp-l@Lehigh.EDU>
Subject: [1661] OHR-1000
Message-ID: <Pine.BSI.3.95.980122105116.9797B-100000@timon.acu.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I am looking at the OHR-100 for my first QRP kit experience (X-mas money burning a hole in pocket). Can this kit be made to work on the novice/tech+ portions of 40M? And, is this a good kit for the money and my lack of experience. Thanks for the time.

| | | | wbw95k@timon.acu.edu
| | | | William Wyatt
| /\ | | /\ | KC5ZGH <--Tech Plus // QRP-L member #1339
|/ \ | | / \ | 1 Corinthians 13:13
<http://timon.acu.edu/~wbw95k>
--*** **-- -** * *- *-** ***** --** --* ****

Date: Thu, 22 Jan 1998 12:10:39 EST
From: KB9RPD <KB9RPD@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [1662] Twist on Elmer Project
Message-ID: <73278bd.34c77d97@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I've watched this discussion close on the Elmer Project idea and I cannot say it better than Joe did! I couldn't help but think, "hmm, what a great article title, 'Plain English Electronics Help for the Clueless' "

Well, ok, it does sound a little abrasive. Perhaps "Plain English Electronics Help for the Challenged Builder" ? Or, "Plain English Electronics for the Archie".

On a serious note, it seems that everyone is taking advantage of the "XXX for Dummies" books! Anyone got writing talent and a good camera? Someone could always make the "Electronics Projects for Dummies - a Plain English Guide for Amateur Radio Operators".

;-) Just a lighter side note.

73, Ted - KB9RPD

Date: Thu, 22 Jan 1998 17:20:02 GMT
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-1@Lehigh.EDU
Subject: [1663] FOXHUNT SCORES
Message-ID: <199801221720.RAA05140@chuck.dallas.sgi.com>

1997-1998 FOXHUNT SUMMARY SHEET
January 22, 1997

Total Number of Q's = 1,962

FOX SCORES

CALL	NAME	STATE	# of Q's
-----	-----	----	-----
N0UR	Jim	MN	69 + 84 = 153
KA8OKH	Rich	KY	87 + 64 = 151
W7QQQ	Jack	AZ	65 + 70 = 135
K5OI	Tim	NM	69 + 54 = 123
KI7MN	Bob	AZ	56 + 57 = 113
KS4L	Randy	AL	42 + 68 = 110
K8CV	Walt	MI	59 + 49 = 108
W2UX	Gary	SC	48 + 59 = 107
AB7TK	Randy	ID	64 + 34 = 98
N2TNN	Dean	NJ	33 + 46 = 79
N8VAR	Ron	OH	25 + 28 = 53

N9DD	Tom	IN	90
W5FN	Tim	TX	81
K1MG	Mike	CA	81
AE9K	Brian	WI	65
NQ7K	Mike	AZ	65
K0EVZ	Doc	MN	62
N0TFI	Jess	CO	58
VE7CQK	Paul	Canada	57
W3CV	Scott	MD	49
NR3Z	Marty	PA	47
W03B	Bob	CA	42
N0TFI	Jess	CO	35

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+-----+
+
+                HUNTERS SCORES
+
+-----+

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+
W0CH(27) W00T(16) K0EVZ(26) KB0PTE(7) KB0ROL(6) W0CLR(6) N0HJ(9)
        K0SU(4) N0TFI(14) KB0ZDF(3) N0UR(7) K0CD KB0PI K0GJX(3)
        AA0ZZ(14) W00Q(4) W0RW(16) KM0II(2) W0HEP WM0Q K0FRP K0HUU
        KQ0I(7) WB0ROQ(2) WB0CLD(4) KR0I NF0R NI0A(12) KB0VIJ N0BS
        W0KW WB0ATR W0RSP(3) KI0KY(2) KI0II(2) AB0GO W0DC N0TU(2)
        WB0CGH(2) KB0VCC N0EUM
+
K1MG(30) K10J(27) W1GM(3) AA1MY(6) N10CJ(3) N1QQV(11) KA1AXY WA1QVM(7)
        KC1FB(9) W1LP/MM(5) AK1P(7) N1FN K1CL(2) K1RA K1XS(3) W1HUE(2)
        N1TP(8) K1NY KD1JV AA10F NT1R N1ODL
+
K2VCO(21) W2UX(8) N2BRT AA2PF(10) W2PFS(7) N2TNN(5) N2TO K2VNM(5)
        N2VPK(5) K2SJB(7) W2ZT(4) WJ2V(2) AA2VK N2SMH(4) N2GO(7)
        KJ2V N2WF(7) WA2TDL N2APB(3) N2TSQ N2DBD KG2IM(3) WB2GAI
        KA2PQY KF2PH(2) AA2YK KV2X W2JEK KG2H(2) W2MY
+
KJ3V(13) N3KFL N3XRV(7) KA3WMJ(9) KA3EAJ(8) W03B(10) WD3P(6) WV3J(5)
        N3YSI(7) N3NLT N3CEU W3PM(3) NR3Z(2) KT3A(2) KD3FG NF3I
        W3MWH(3) W3GEO KA3K(2) N3YRI W3PNL(2) N3JF NA3V
+
N4ROA(19) WB4EXW(18) K4CGY(3) WA4CMI(3) N4DD AE4IC(8) KK4KF(4) KS4L(5)
        N4JS(6) N4UY(2) KC4MHM K4GT(6) K4WZ(4) N4DD N4SO(8) KU4AF(8)
        WS4S(2) WD4MSM(14) AE4GX K4PYM(2) KS4HQ(3) AC4HF KU4LC N4PK(4)
        WA4DAI(4) N4KV(3) W4YNG(2) N4AC WA4HHP NZ4E N4CD AA4GA N4XDW(4)
        KD4OBQ(2)
+
N5JI(29) AB5UA(30) W5FN(27) K5ZTY(24) KQ5U(21) K5JHP(23) W5TFB(17)

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K50N(20) K5UP(20) N5LU(21) W5HNS(19) KK6MC/5(16) KK5X0(4)
N5AL0(7) W5XE K5F0(12) AA5C0(2) K5W0(6) W5JH K5TZY(2) W5SP
W5ZH KC5AI W5MN(3) NA5K(5) W5JAY(4) W5SNS W5VB0(4) KC5AIK(2)
K5AO W5SB(18) KA5T(21) K5JUC KK5KU KJ5VW K50I(21) NA5N
K5LE(6) WA5WHN(2) N5ZN(6) KE5TC(3) AF5Z(8) WA5YFY(2) K5NZ(5)
K5ID(12) AC5IE(2) N5JKY(4) AA5TA(13) AC5II(3) K5VUU(10)
KI5IB(2) W5USJ K5GQ(6) N5PYB KC5FMZ KI5G AC5JH(3) WA5SAJ
WD5COV N5YUC

+

N6XU(27) WE6W(19) N6WG(18) W6ZH(20) W6BAB(17) K6VNX(13) K06KA(10)
W6SIY(5) WA6NAE(13) W6EMD(5) K6RPN AA6R(2) KF6CTA(5) W6SU(10)
AC6KW(9) KN6YD KI6OY(3) K6MW(3) WI6I W6EMT(4) N6VZ(8) WA6GER
AD6AY(4) AC6LA(12) W6EV(3) N6GA(2) KD6VIO(3) WA6HHQ W6SV N6KR
K6MR K6YR N6MM(14) W6KI N6ZS NC6LA K6UNX

+

NQ7X(31) AB7TT(27) KU7Y(27) N7VE(26) W7QQQ(16) AB7TK(17) WW7Y(9)
AB7ST(9) N7CTJ(4) W7SSM(9) N7GS(11) NQ7K(7) KI7MN(14)
N7CQR(3) AB7MY(22) KJ7YN W7GVN(5) AB7OA(8) KG7PV N7KT(14)
KA7NOC(5) AB7GO WJ7H(2) W7JDZ(2) N7MFB(2) K7DBV N7XJW(13)
KA7OKH N7IR(7) WA7JEG W7UQ WA7SSA KB7MBI N7IL AI7R

+

KA8OKH(17) K8CV(12) KC8EPA WQ8RP W8KC(7) K8DD(3) KB8MCZ WD8KQY(2)
KB8AZ WA8GHZ(5) WB8E W8SFF(3) W8RU(5) WK8S N8ET(2) K8NWD(2)
N8CW(2) N8VAR(4) WB8NYV K8FF(2) W8RO NU8Z

+

NF9K(5) WA9YLB W9UQB(9) N9DD(14) KB9IUA(7) N9KW(13) W9KVF(5) WA9PWP(12)
AF9T(7) W9DZ NN9K WB9HFK(6) W9UQV AE9K(2) N9AW WB9LKC N9WAQ K9IA
AA9L(5) KB9GEG N9NW K9LJB

+

AL7FS(2)

+

VE3ELA(15) VE3JC(8) VE3SP(4) VE5RC(19) VE5WF(5) VE6GK(3) VE7CQK(12)
VE6NJK(5)

Chuck Adams K5F0 CP-60
<http://reality.sgi.com/adams> adams@sgi.com

Date: Thu, 22 Jan 1998 17:20:26 GMT
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-1@Lehigh.EDU
Subject: [1664] FOXHUNT SCHEDULE
Message-ID: <199801221720.RAA05144@chuck.dallas.sgi.com>

1997-1998 FOXHUNT SCHEDULE
January 22, 1997. Version 1.9

WEEK	CALL	DATE	TIME (UTC)	CALL	DATE	TIME (UTC)
> 1	NM K50I	Oct 1	0200-0400	WI AE9K	Oct 3	0000-0200
> 2	OH N8VAR	Oct 8	0000-0200	PA NR3Z	Oct 9	0200-0400
> 3	AZ W7QQQ	Oct 15	0200-0400	TX W5FN	Oct 17	0200-0400
> 4	AZ NQ7K	Oct 21	0200-0400	ID AB7TK	Oct 22	0200-0400
>	VE7CQK	Oct 24	0030-0230			
> 5	CO N0TFI	Oct 28	0000-0200	MN N0UR	Oct 29	0200-0400
> 6	AZ W7QQQ	Nov 5	0200-0400	CA K1MG	Nov 7	0200-0400
> 7	MI K8CV	Nov 11	0200-0400	AZ KI7MN	Nov 12	0000-0200
> 8	SC W2UX	Nov 18	0100-0300	OH N8VAR	Nov 19	0100-0300
> 9	MN K0EVZ	Nov 25	0000-0200	KY KA8OKH	Nov 27	0100-0300
>10	MN N0UR	Dec 3	0100-0300	AL KS4L	Dec 5	0200-0400
>11	MI K8CV	Dec 9	0200-0400	IN N9DD	Dec 11	0100-0300
>12	MD W3CV	Dec 18	0200-0400	NM K50I	Dec 19	0300-0500
>13	KY KA8OKH	Dec 23	0100-0300	CO N0TFI	Dec 24	0000-0200
>14	CA W03B	Dec 30	0300-0500	MD W3CV	Jan 2	0200-0400
>15	NJ N2TNN	Jan 7	0200-0400	AL KS4L	Jan 9	0100-0300
>16	AZ KI7MN	Jan 14	0100-0300	ID AB7TK	Jan 16	0200-0400
>17	SC W2UX	Jan 20	0100-0300	NJ N2TNN	Jan 21	0100-0300
18	NC AE4IC	Jan 28	0300-0500	WI AE9K	Jan 30	0100-0300
19	IN N9DD	Feb 5	0100-0300	NM KK6MC	Feb 6	0030-0230
20	PA NR3Z	Feb 12	0200-0400	CA K1MG	Feb 13	0200-0400
21	TX W5FN	Feb 17	0200-0400	CA N6WG	Feb 18	0200-0400
	VE7CQK	Feb 20	0100-0300			
22	MN K0EVZ	Feb 24	0000-0200	NC AE4IC	Feb 27	0300-0500
23	CA N6WG	Mar 3	0200-0400	CT AA1MY	Mar 4	0300-0500
24	CT AA1MY	Mar 10	0300-0500	CA W03B	Mar 13	0400-0600
25	NM KK6MC	Mar 18	0030-0230	AZ NQ7K	Mar 20	0200-0400

Chuck Adams K5FO CP-60
<http://reality.sgi.com/adams> adams@sgi.com

Date: Thu, 22 Jan 1998 12:39:21 -0500
From: Nick Franco <kf2ph@bnl.gov>
To: qrp-1@Lehigh.EDU

Subject: [1665] Dogsled Team Back Safe and Sound
Message-ID: <34C78449.92699A4D@bnl.gov>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well gang,

Thanks to those of you who tried to contact Mike AA2Q0 and his partner in hike George KB2????

they had a great time out there in the snow cover woods nead Silver Lake, NY. Mike told me they learn many valuable lessons about Hamming in the frozen woods and being able to make some HF contacts out here if need be.

I never did make a Q with them, however, I did hear their weak Pixie sig on the first night. It was just too weak to copy. They heard me though (the first night anyway). I know there were a couple of QRP-Lers who either listened or gave them a shout. I received email along the way from some of you telling me that they heard me calling Mike or something of that sort.

Mike never made contact with any QRP-Lers that he knows of. He said his contacts were mainly on the NW-40. I stupidly never made a sked with him for that band. I figured from upstate NY the 80m Pixie would have been the surest thing (who knows).

BTW: I would recommend the NW-8020 kits from our own Roy Gregson highly. I love mine and run it in the car almost all the time (except when I lend it to Dogsled hikers here and there :-). I know Mike made all positive comments about using that rig and is considering buy one of Roy's kits in the future. I know someone on the list has been asking about an HW-7 vs. a new kit. No question in my mind which way to go (kit) except if a multi-band rig is a must (then an expensive kit). I have no vested interest in EMTECH other than being a very satisfied customer/operator.

Back to the story at hand:

At one point in the trip Mike was very frustrated from not being able to contact me for getting their status relayed to the wives left behind. So, they called CQ on the NW-40 and made contact with an 8 call and asked if he would please get word back to George's wife in NJ who then called Mike's wife here on LI and their communication avenue via Ham radio was successful, even though not via me :-)

Just figured I'd share the adventure with you all. I did forward any

emails related to this event to Mike for his enjoyment.

Thanks you all again for the support. What a great resource and encouragement you all are.

72,
Nick - KF2PH
QRP-L # 13 . .

--
Nicholas J. Franco <>> BROOKHAVEN NATIONAL LABORATORY
Systems Administrator RHIC Project Building 1005
Tel: (516) 344-5467 UPTON, NY 11973-5000
Fax: (516) 344-3674 Ham Call: KF2PH
Email: nickf@bnl.gov <http://www.rhichome.bnl.gov/People/franco>

Date: Thu, 22 Jan 1998 12:59:43
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@Lehigh.EDU
Subject: [1666] Re: Elmer Projects
Message-ID: <3.0.3.16.19980122125943.2c27acac@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>
>I've noticed this also! The missing transition from beginner to advanced is
>especially frustrating to me. What little electronic knowledge I have is
>all self taught, which tends to leave a lot of 'gaps'.

This is the difficult and frustrating part of writing up a project. In the how it works, or how to build it section, it is difficult to decide how much or how little detail to include. Due to space limitations, especially in a magazine, you can't really do a detailed "step-by-step" approach and in the how it works section, you can't explain the design in minute detail. So, one generally has to compromise and assume the reader/builder has some basic understanding or experience and only give the details which may not be obvious or is otherwise deemed important enough to mention.

Writing for that "intermediate" builder is probably the most difficult thing to do.

72,

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Thu, 22 Jan 1998 11:03:14 -0600
From: "Marshall Emm" <mgemm@ntechnologies.com>
To: qrp-l@Lehigh.EDU, cqclist@lists.csn.net, cw@qth.net, John/K4WJ
<bohnovic@worldnet.att.net>
Subject: [1667] Re: [CW] New Product Announcement
Message-ID: <199801221902.MAA13985@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

K4WJ said--

<<Why complicate things with a 5-pin DIN? This would make
it a little difficult to take this keyer/paddle with you
when you guest operate at someone's shack.
<<

Your comments on the appearance of the Key-8 were matters of personal
taste, and I wouldn't expect the Key-8 to appeal to everyone.

That said, the DIN issue is worth a comment-- there are *5*
connections required for this keyer (audio out (1), power in (2), and
key line out(2)), and DIN is pretty much the standard in Europe. A
DIN socket is a pretty tidy solution, and the plugs are commonly
available here (at RS, to name one). IF you wanted to take it with
you somewhere all you have to do is take the cable you have made
because that will have more common terminations on the other end
right?

You're right about the non-iambic keyer, certainly, and I personally
saw it as more of a nuisance than anything else. Which is why I have
written instructions for bypassing it. In doing that you can of
course replace the DIN with a stereo jack, or just a cable, if
desired. OTOH, there are many who use iambic keyers without ever
using the iambic or squeeze-key features, and this keyer is fine
for them. Another option which I haven't written up yet is to install
a small DPDT switch so you can use it either way.

Thanks for the feedback, and it will be very useful if we end up
approaching the folks in Voronezh to build a Key-9.

73

Marshall Emm
N1FN/VK5FN
n1fn@mtechnologies.com
Milestone Technologies
Software, kits, tools...
<http://www.mtechnologies.com>
(303)752-3382

--

Date: Thu, 22 Jan 1998 18:02:39 +0000
From: Ed Loranger <we6w@qsl.net>
To: wbw95k@timon.acu.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [1668] Re: OHR-100
Message-ID: <34C789BF.A28@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Yes! It is a great kit (OHR-100A). I have the OHR-100 and I absolutely am impressed with its performance. The IF filter is 4 pole and works pretty good and is continuously variable.

I think it could be a bit tighter, I'm not sure if the XTALS they send you are actually matched.

For less than \$100.00 I think it is an absolute steal. My buddy paid \$179.99 for mine last April, just before OHR put it on sale for \$99.00 -- GO figure. Murphy's back.

Do It!

-Ed

--

Recipient of coveted Samuel F. B. Morse Award, NTTC Pensacola, FL 1977.
72/73 de we6w qrp es CW ONLY; Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (From Non-Ham to Extra in one Day.)

Date: Thu, 22 Jan 1998 13:56:11 -0500
From: ckrelic@usaor.net

To: qrp-1@Lehigh.EDU
Subject: [1669] FS: Radios
Message-ID: <34C7964A.684B8189@usaor.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

One unbuilt 40 meter OHR100A \$80 shipped

Century/21 analog, calibrator, recent factory service
Very clean 21! \$195 OBO

Curt
K3IVB

Date: Thu, 22 Jan 1998 19:12:29 +0000
From: ea8yu Goran <rodriguez@jet.es>
To: qrp-1@Lehigh.EDU
Subject: [1670] Which drawing program?
Message-ID: <1.5.4.32.19980122191229.0067fdc0@jet.es>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

Which program are you using/recomending for drawing schematics?

There are many different programs and the correct choice is important. You will probably be using the choosen program for years to come, partly for inertia, partly for the learning curve but mostly as you otherwise will be saddled with a library of old drawings that you cannot access anymore.

I think the ideal drawing program for hams should

1) Be self evident how to use.

I have been using Orcad but I find that when I have not been using it for some time I have to haul out the manual to find out which letters and hot keys to use.

2) Be EASY to creat new components

As you will be using the program for years to come you will probably want to use chips that are not in the original library.

Second priority I would say are things like
simulation possibility
PC board construction

Price should also be reasonable.

The problem with sporadic use of drawing programs I also have at work
(Swedish Vacuum Solar Tower, La Palma, Canary Islands) where we sometimes
build a electronic box or two or modify existing hardware. Total documentation
usually is a pencil sketch on a piece of paper which when we need to modify
the circuit a year or two later, is not readable with all the changes and
modifications penciled in. Too much work to do to have the time to relearn the
drawing program.-

Saludos
Goran ea8yu

Date: Thu, 22 Jan 1998 19:37:30 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [1671] Big Response to Zipper Fix!
Message-ID: <34C79FFA.58B2@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well gang, It has been nice getting email regarding my zipper
fix contribution the other day.

About 1 or 2 thankyou notes each day. With FYBO coming up,
you might want to check those tent zippers, backpacks, tote
bags, and especially that warm coat you are expecting to wear.

This fix works and takes about 1 minute to do.

Now you all know how truly cheap (Thrifty?) I am.

The ladies in Spain nicknamed me 'Cobweb', cause that's
about all they'd find in my wallet.

REPEAT of Fix: Get the zipper to its bottom or home location.
With pliers, gently squeeze the trailing edge of the zipper until

it almost pinches the fabric. The zipper now works again. IF you over-tighten and the zipper won't move, just use a jewlers flat-blade screwdriver and gently twist the back section apart just enough to clear the fabric and not be stuck there.

It's a lot warmer with a tent/jacket that zips up!

I'm really happy I have helped some of you.

72
-Ed
--

Recipient of coveted Samuel F. B. Morse Award, NTTC Pensacola, FL 1977.
72/73 de we6w qrp es CW ONLY; Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (From Non-Ham to Extra in one Day.)

Date: Thu, 22 Jan 1998 11:59:24 -0800
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: qrp-l@Lehigh.EDU
Subject: [1672] Tuna Tin 2 Schematic on Norcal Web Page
Message-ID: <3.0.1.32.19980122115924.00742520@dpol.k12.ca.us>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Jerry Parker has done it again! He has put a Tuna Tin 2 section up on the NorCal page, and I encourage all of you to take a look at it. It has the schematic, the article that was in QRPP, plus the list of updated parts needed to build the rig today, and a neat picture of a twenty year old original Tuna Tin 2 done by John Roblin of White Rook products fame. Thanks to Dave Meacham, W6EMD for his fine work on that.

I have sent the artwork to Fred Reimers at FAR Circuits, and as soon as he gets back to me with a price, I will post to the net. Please don't contact Fred about it until he gets back to me, as I just mailed it yesterday via express mail (forgot it when I went to the post office on Tuesday and did not have time to go back for it before the post office closed, so I paid the extra to express it to Fred.) The plan is to do the entire series, the Tuna Tin 2, the Herring Aid Five Receiver, the Chopped Beef VFO and the Codzilla Amp through FAR Circuits. I will redo the shematics and the artwork, send it to Fred at FAR, and everyone will have access to the boards that way, plus for you homebrew board makers out there, I will also provide the artwork. And Ron Stark and I will print the whole series in QQ and QRPP.

I have sent out over 50 sets of Circad files. Now, who will be the first

to report to the net that they have the NorCal revised version of the Tuna Tin 2 on the air??

I can't wait to see Bill Jones version. Bill just lives about 75 miles from me, and one of these weekends I am going to go down and have Bill give me a lesson on building enclosures.

On another quick note, I talked with Gary Diana of Embedded Research last night, and he expects the boards for the Tixie to be in Friday. I have a prototype of the rig, and it is neat. Take a look at the Embedded Research page for more details. The Tixie is a result of an article in the Winter 97 issue of QRPP by Charles Ludinsky of this list.

Think about Dayton too. 2N2222 rigs, K8FF Paddles, Tixies, Pixies, Knightlight SMD Pixies, Tuna Tin 2's, Herring Aid 5's, Chopped Beef VFO's, Codzilla Amps, plus the entries in the unlimited building class that Chuck Adams is sponsoring. Wow. It is going to be fun. You don't want to miss it. Plus, I bet the guys from England will bring some neat stuff. George, Dick, Tony, Graham, you have been really quiet lately. I have the feeling that you are going to spring some new stuff on us. Any truth to that????

72, Doug, KI6DS

Date: Thu, 22 Jan 1998 15:09:32 -0500 (EST)
From: jeverhar@camden.lmco.com
To: ki6ds@dpol.k12.ca.us
Cc: qrp-1@Lehigh.EDU
Subject: [1673] Re: Tuna Tin 2 Schematic on Norcal Web Page
Message-ID: <9801222009.AA12149@train11.CAMDEN.LMCO.COM>

Doug,

Wwo you dure do move fast! Looks like you've started another bandwagon rolling along with the "classic" QST rigs. Good show!

Relative to another bandwagon movement, you mentioned the correction to the Pixie article in the latest QRPP. Alas I lost the e-mail (it fell on the floor and didn't get up).

I believe the error was that Q4 was not grounded. Please verify. And is the correctin posted anywhere? I checked the Norcal page and could not find it.

72/73,

Joe E., N2CX

Date: Thu, 22 Jan 1998 15:12:16 -0500
From: Michael Neverdosky <MichaelN@cycat.com>
To: qrp-l mailing list <qrp-l@Lehigh.EDU>
Subject: [1674] Older HF rig wanted + advise
Message-ID: <34C7A820.670536AA@cycat.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I am looking to purchase a HF multiband rig.
Wants;
Solid state, I don't want to do tubes anymore.
Digital readout.
Good CW performance.
General coverage receiver would be nice but is not required.
Must be cheap. I am not over rich and I am selling some of my
toys to finance this.

I am open to suggestions and or opinions as to older rigs.
What are the best rigs that can be had cheaply?
I have a line on a TS-120, but it does not have WARC bands or
general coverage receive, also not the best for CW.

OK folks, tell me about your favorite rig, and tell me *why*
it is your favorite.

thanks

michael N6CHV (now in central FL)

Date: Thu, 22 Jan 1998 15:28:18 -0500
From: Michael Maiorana <mikemo@ibm.net>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [1675] RF volt meter
Message-ID: <34C7ABE2.6A8F@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Is there an adapter I can build so I can use a regular DVM as an "rf volt meter"?

Thanks
72 de kf4trd
Mike Maiorana

Date: Thu, 22 Jan 1998 15:33:14 -0500
From: Jeff & Bea Hahn <jhahn@bellatlantic.net>
To: qrp-l@Lehigh.EDU
Subject: [1676] WAS CW - DE & ND
Message-ID: <34C7AD0A.7071@bellatlantic.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I discovered I still need De & ND for WAS-CW. I would appreciate hearing from hams in those states who would be willing to set up a schedule.

Thanks es 73.

Jeff Hahn, KR4YS

Date: 22 Jan 1998 15:39:50 -0500
From: Glen Leinweber <leinwebe@mcmail.cis.mcmaster.ca>
To: qrp-l;;
Subject: [1677] Elmers wanted...take charge yourself
Message-ID: <1998Jan22.153950-0500@[130.113.234.7]>

Would-be homebrewing Gang,

Now I've seen a lot of posts go by asking for elmering articles to be published...."I really want to learn this stuff". There's *tons* of good literature out there - you don't have to wait for more. Someone mentioned the venerable ARRL Handbook. It is really good. And Hayward/Demaw Solid State design for the Radio Amateur can't be beat.

Let me gently suggest that you grab some copper-clad board, heat up the soldering iron and go build some of these circuits. Just DO IT!

So you say that you don't have any test equipment?
Well, you have more than you may think. When you build a VFO
you can listen to it on one of your receivers. How stable
is it? How does temperature affect frequency? If I load it's
output down, how far does the frequency shift? Try keying it
on and off...does it chirp? Listen for the 2nd harmonic...
the third harmonic...how strong are they?

I'll bet you'll get a lot more help from QRP-L if
your questions are of the type: "I can get a FET to
oscillate, but substituting a 2N3904 won't work, why?",
rather than a plea of "I want to build a radio, where do
I start?".

If you've built one of NORCAL's kits successfully, you've got
enough experience under your belt to tackle true homebrew. The
books are there: read 'em....and BUILD 'EM.

Date: Thu, 22 Jan 1998 16:03:15 -0500 (EST)
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
To: Michael Maiorana <mikemo@ibm.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [1678] Re: RF volt meter
Message-ID: <Pine.GS0.3.96.980122160220.16875A-1000000@xena.acsu.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

check the ARRL handbook. Look up the description on how to make an RF
probe. It uses a diode a cap and a resistor.

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
Life member ARRL
jskalski@acsu.Buffalo.EDU

On Thu, 22 Jan 1998, Michael Maiorana wrote:

> Is there an adapter I can build so I can use a regular DVM as an "rf
> volt meter"?
>
> Thanks
> 72 de kf4trd

> Mike Maiorana
>

Date: Thu, 22 Jan 1998 16:02:06 EST
From: K5BDZ <K5BDZ@aol.com>
To: K5BDZ@aol.com, qrp-l@Lehigh.EDU
Subject: [1679] Houston Livestock Show & Rodeo
Message-ID: <9089b186.34c7b3d4@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

If anyone is interested in the Houston Livestock Show and Rodeo, please let me know. It takes place in the Houston (Texas) Astrodome complex the last week in February and the first week in March (2 weeks). Largest Rodeo of it's type in the world...we still brag here in Texas. I'm on the speakers committee and invite y'all to c'mon t' Texas and join us.
Bill Hickox, K5BDZ

Date: Thu, 22 Jan 1998 16:11:11 EST
From: ka7you@juno.com
To: QRP-L@Lehigh.EDU
Subject: [1680] Regarding the "Elmer/Tutorial" thread
Message-ID: <19980122.132203.16095.8.KA7YOU@juno.com>

The "Data Book for Homebrewers and QRPers" by Paul Harden, has a good breakdown of the NE602 based transceivers such as the Norcal 4, NN1G, and MFJ90xx series. There are fifteen pages of circuit descriptions, drawings, scope patterns and formulas to show how certain component values were chosen, what the resulting output should look like, and the measured voltages at selected points.

While not set up as a 'tutorial', it is very useful, and the rest of the book is just full of parts specifications and identification aides (60 pages), data sheets(40+pages), tables of operating aides and reference info (15 pages).

Then there are seven pages of actual lab tests of seven popular QRP rigs, the NorCal 40, NN1G GM-20, OHR Explorer II, EMTech NW 8020/20, Hands GQ-40 and the MFJ-9030.

The final section is a dozen pages of QRP related 'Yellow Pages' - sources for parts, kits, etc.

Rod Johnson KA7YOU from CN97ak near Issaquah, Wa. 160M thru 1296 MHz
(3456MHz still in the wings)

Date: Thu, 22 Jan 1998 16:18:10 EST
From: n7mfb@juno.com (Bill Todd)
To: foxes@theriver.com
Cc: qrp-1@Lehigh.EDU
Subject: [1681] Re: Morse code in a song
Message-ID: <19980122.131736.11591.2.n7mfb@juno.com>

On Thu, 22 Jan 1998 08:49:29 -0700 Andy Fox <foxes@theriver.com> writes:
>Roger Waters has an album named "Radio KAOS" which has CW running in
>the
>background for pretty much the entire album. "R O G E R W A T E R S
>R
>A D I O K A O S" over and over and over...
>
>It's all about a guy named Billy, turning the dial on his shortwave
>radio. He wanted to talk to the people...
Hi Andy (and group) -

I wonder if the song is talking about ME? I'm attending Evergreen State
University in Olympia, WA. My name is "Bill", and guess what the call
letters are of the college radio station?

That's right KAOS

No kiddin!

CUL, Bill-N7MFB

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 22 Jan 98 16:48:39 PST
From: gregoire@endor.com
To: jhahn@bellatlantic.net, Low power amateur radio discusion <qrp-1@Lehigh.EDU>
Subject: [1682] RE: WAS CW - DE & ND

Message-ID: <Chameleon.980122165152.GREGOIRE@Gregoire.endor.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; CHARSET=us-ascii

Look for DE, VT, NH, ME, all on the same weekend.
Feb 7,8 , in State QSO parties.

VT, NH, ME are all in it together, one log entry for
all states.

Look in the latest QST for details.

73

de AA1IK,	Time the accursed enemy of man,
	cursed youth for going to slow
Ernie Gregoire	and by the old for going to fast.

R.R. 1, Box 221,	
South Rd.	Fists # 2644, ARCI # 9500
Canaan, NH. 03741	QRP-L # 95, Fly fisher & tier,
	Promise Keeper.

E-mail address: gregoire@endor.com

packet address: AA1IK@WA1WOK.FN43FE.NH.USA.NA

01/22/98 16:48:40

Date: Thu, 22 Jan 1998 13:57:15 -0800
From: "Charles P. Sammut" <csammut@limbach.com>
To: qrp-l@Lehigh.EDU
Subject: [1683] FS: BENCHER BY-2; HAMBREW ISSUES
Message-ID: <34C7C0BB.6788FA9E@limbach.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

1. Bencher BY-2 chrome iambic paddle - used only once, like new in original box;
\$75 shipped UPS ground.
2. HAMBREW magazine. Set includes 13 of the entire press run of 15

issues, starting with Autumn 1993 (vol. 3, no. 1) and ending with the final issue of Spring 1997 (vol. 5, no. 2). I do not and have never had the Winter 1995 (vol. 3, no. 1) nor the Spring 1995 (vol. 3, no. 2) issues. All issues are in as received condition (almost mint). \$49.00 via USPS Priority Mail.

Please respond directly to: csammut@limbach.com

72,
Charles
K8MI
QRP-L #42

Date: Thu, 22 Jan 1998 22:16:49 GMT
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-l@Lehigh.EDU
Subject: [1684] FOX SCORES UPDATED
Message-ID: <199801222216.WAA05781@chuck.dallas.sgi.com>

1997-1998 FOXHUNT SUMMARY SHEET
January 22, 1997

Total Number of Q's = 2,014

FOX SCORES

CALL	NAME	STATE	# of Q's
-----	-----	-----	-----
N0UR	Jim	MN	69 + 84 = 153
KA8OKH	Rich	KY	87 + 64 = 151
W7QQQ	Jack	AZ	65 + 70 = 135
K5OI	Tim	NM	69 + 54 = 123
KI7MN	Bob	AZ	56 + 57 = 113
KS4L	Randy	AL	42 + 68 = 110
K8CV	Walt	MI	59 + 49 = 108
W2UX	Gary	SC	48 + 59 = 107
W3CV	Scott	MD	49 + 52 = 102
AB7TK	Randy	ID	64 + 34 = 98
N0TFI	Jess	CO	58 + 35 = 93
N2TNN	Dean	NJ	33 + 46 = 79

N8VAR	Ron	OH	25 + 28 = 53
N9DD	Tom	IN	90
W5FN	Tim	TX	81
K1MG	Mike	CA	81
AE9K	Brian	WI	65
NQ7K	Mike	AZ	65
K0EVZ	Doc	MN	62
VE7CQK	Paul	Canada	57
NR3Z	Marty	PA	47
W03B	Bob	CA	42

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+-----+
+
+                HUNTERS SCORES
+
+-----+

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+
W0CH(28) WB0T(16) K0EVZ(26) KB0PTE(7) KB0ROL(6) W0CLR(6) N0HJ(9)
K0SU(5) N0TFI(15) KB0ZDF(3) N0UR(7) K0CD KB0PI K0GJX(3)
AA0ZZ(14) W00Q(5) W0RW(16) KM0II(2) W0HEP WM0Q K0FRP K0HUU
KQ0I(7) WB0ROQ(2) WB0CLD(4) KR0I NF0R NI0A(12) KB0VIJ N0BS
W0KW WB0ATR W0RSP(3) KI0KY(2) KI0II(3) AB0GO(2) W0DC N0TU(2)
WB0CGH(2) KB0VCC N0EUM
+
K1MG(31) K10J(28) W1GM(3) AA1MY(6) N10CJ(3) N1QQV(11) KA1AXY WA1QVM(7)
KC1FB(9) W1LP/MM(5) AK1P(7) N1FN K1CL(2) K1RA K1XS(3) W1HUE(2)
N1TP(9) K1NY KD1JV AA10F NT1R N1ODL
+
K2VCO(21) W2UX(8) N2BRT AA2PF(10) W2PFS(7) N2TNN(5) N2TO K2VNM(5)
N2VPK(5) K2SJB(7) W2ZT(4) WJ2V(2) AA2VK N2SMH(4) N2GO(7)
KJ2V N2WF(7) WA2TDL N2APB(3) N2TSQ N2DBD KG2IM(3) WB2GAI
KA2PQY KF2PH(2) AA2YK KV2X W2JEK KG2H(2) W2MY
+
KJ3V(13) N3KFL N3XRV(7) KA3WMJ(9) KA3EAJ(8) W03B(11) WD3P(6) WV3J(5)
N3YSI(7) N3NLT N3CEU W3PM(3) NR3Z(2) KT3A(2) KD3FG NF3I
W3MWY(3) W3GEO KA3K(2) N3YRI W3PNL(2) N3JF NA3V
+
N4ROA(19) WB4EXW(19) K4CGY(3) WA4CMI(3) N4DD AE4IC(8) KK4KF(4) KS4L(5)
N4JS(6) N4UY(2) KC4MHM K4GT(6) K4WZ(4) N4DD N4SO(8) KU4AF(8)
WS4S(2) WD4MSM(14) AE4GX K4PYM(3) KS4HQ(3) AC4HF KU4LC N4PK(4)
WA4DAI(4) N4KV(3) W4YNG(3) N4AC WA4HHP NZ4E N4CD AA4GA N4XDW(4)
KD4OBQ(2)
+
N5JI(30) AB5UA(31) W5FN(28) K5ZTY(25) KQ5U(21) K5JHP(24) W5TFB(17)
K5ON(21) K5UP(21) N5LU(22) W5HNS(20) KK6MC/5(16) KK5X0(4)

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N5ALO(7) W5XE K5FO(13) AA5CO(2) K5WO(6) W5JH K5TZY(2) W5SP
W5ZH KC5AI W5MN(3) NA5K(5) W5JAY(5) W5SNS W5VB0(4) KC5AIK(2)
K5AO W5SB(19) KA5T(21) K5JUC KK5KU KJ5VW K5OI(21) NA5N
K5LE(6) WA5WHN(2) N5ZN(6) KE5TC(3) AF5Z(8) WA5YFY(2) K5NZ(5)
K5ID(13) AC5IE(2) N5JKY(4) AA5TA(14) AC5II(3) K5VUU(11)
KI5IB(2) W5USJ K5GQ(7) N5PYB KC5FMZ KI5G AC5JH(3) WA5SAJ
WD5COV N5YUC W5QJM KK5NA

+

N6XU(28) WE6W(20) N6WG(19) W6ZH(21) W6BAB(18) K6VNX(14) K06KA(10)
W6SIY(5) WA6NAE(13) W6EMD(5) K6RPN AA6R(2) KF6CTA(5) W6SU(11)
AC6KW(9) KN6YD KI6OY(3) K6MW(3) WI6I W6EMT(4) N6VZ(8) WA6GER
AD6AY(4) AC6LA(13) W6EV(3) N6GA(2) KD6VIO(3) WA6HHQ W6SV N6KR
K6MR K6YR N6MM(15) W6KI N6ZS NC6LA K6UNX

+

NQ7X(32) AB7TT(28) KU7Y(28) N7VE(26) W7QQQ(17) AB7TK(17) WW7Y(9)
AB7ST(9) N7CTJ(4) W7SSM(9) N7GS(12) NQ7K(7) KI7MN(15)
N7CQR(3) AB7MY(23) KJ7YN W7GVN(5) AB7OA(8) KG7PV N7KT(14)
KA7NOC(5) AB7GO WJ7H(2) W7JDZ(2) N7MFB(2) K7DBV N7XJW(14)
KA7OKH N7IR(8) WA7JEG W7UQ WA7SSA KB7MBI N7IL AI7R

+

KA8OKH(18) K8CV(12) KC8EPA WQ8RP W8KC(7) K8DD(3) KB8MCZ WD8KQY(2)
KB8AZ WA8GHZ(5) WB8E W8SFF(3) W8RU(5) WK8S N8ET(2) K8NWD(2)
N8CW(2) N8VAR(4) WB8NYV K8FF(2) W8RO NU8Z

+

NF9K(5) WA9YLB W9UQB(9) N9DD(14) KB9IUA(7) N9KW(13) W9KVF(5) WA9PWP(12)
AF9T(7) W9DZ NN9K WB9HFK(6) W9UQV AE9K(2) N9AW WB9LKC N9WAQ K9IA
AA9L(5) KB9GEG N9NW K9LJB

+

AL7FS(2)

+

VE3ELA(15) VE3JC(8) VE3SP(4) VE5RC(20) VE5WF(6) VE6GK(3) VE7CQK(12)
VE6NJK(5)

Chuck Adams K5FO CP-60
<http://reality.sgi.com/adams> adams@sgi.com

Date: Thu, 22 Jan 1998 16:21:36 -0600 (CST)
From: William Wyatt <wbw95k@timon.acu.edu>
To: qrp mailing list <qrp-l@Lehigh.EDU>
Subject: [1685] Sold on the OHR-100
Message-ID: <Pine.BSI.3.95.980122161926.27759D-100000@timon.acu.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Based on the 12 personal replies in less than 4 hours to my OHR100 question, I have made the decision to buy one of these. I know everyone says this but, this list is great. I'm still a new ham and an even newer tech+. I sincerely appreciate the time everyone took to answer my questions. I hope to hear all of you on the air sometime soon. Have a great day and God bless.

| | | | | wbw95k@timon.acu.edu
| | | | | William Wyatt
| /\ | | /\ | KC5ZGH <--Tech Plus // QRP-L member #1339
|/ \ | |/ \ | 1 Corinthians 13:13
<http://timon.acu.edu/~wbw95k>
-*** **-- -** * *- *-* ***** --** --* ****

Date: Thu, 22 Jan 1998 17:32:36 EST
From: WB0NZM <WB0NZM@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [1686] Re: Which drawing program?
Message-ID: <180c970f.34c7c913@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

In a message dated 98-01-22 14:17:38 EST, you write:

<< Which program are you using/recommending for drawing schematics? >>

I've been using a demo version of Circad - it's been the easiest one to learn and use, out of several commercial packages that I've looked at. And it is MUCH MUCH better than any of the shareware packages that I've tried to use.

The commercial version sells for \$995, but hams can buy it for about \$300.

By the way, I have no 'interests' in Circad or its developer, HoloPhase. I just like the program a LOT. <G>

John

Date: Thu, 22 Jan 1998 15:52:26 -0700 (MST)
From: bcutter@teal.csn.net (Bob Cutter)
To: qrp-l@Lehigh.EDU
Subject: [1687] CW in song

Message-ID: <199801222252.PAA06447@ns-1.csn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Wasn't KAOS the villian in Get Smart?

72, Bob KI0G

Date: Thu, 22 Jan 1998 16:56:09 -0600 (CST)
From: John Seboldt <rohrwerk@pconline.com>
To: qrp-1@Lehigh.EDU
Subject: [1688] Poor Man's Spectrum Analyzer?
Message-ID: <Pine.LNX.3.95.980122165528.23471A-100000@newton.pconline.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Anyone have experience with WA2PZO's "Poor Man's Spectrum Analyzer," marketed by "Science Workshop" at Bethpage, NY
<<http://www.science-workshop.com/>>? I've heard of this idea for some time, and found them on the web recently. Seems like a useful setup within the limits of its component parts.

John Seboldt K0JD

Date: Thu, 22 Jan 1998 22:57:06 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [1689] Surface Mount Treasurechest!
Message-ID: <34C7CEC2.17EF@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Big box marked trash all over it here at work.

Found 2 mother boards, tons of surface mount caps/resistors transistors etc. The board is

for some type of portable test equipment.

Some of the Goodies: Dallas DS1286 Watchdog, Bunch of Filter Toroids, Electrolytics, Surface mount electrolytics, Smart Force ERG power inverter JLA05-2-2, 22.1184 MHZ ultra stable xtal osc IC, 1.8432 xtal, Tons of Chip Transistors..

Then I got 4 heavy duty enclosures with built in RF-Tight cavities with parasitic tuning slugs on top. The board are chock full of surface mount goodies! Teledyne and OMRON Relays. What the heck? Is that a chip variable Ceramic capacitor?

Pretty much all new to me. Those chip wirewound inductors are cute.

They also had one of those rack-mount, surge supressing 120Volt terminal strips with monitoring led, Overload breaker, and lighted power switch. They blew one of the 3 MOV's in the thing and scraped the whole assembly.

I think I'll fix it up and upgrade it with RF noise filters and get rid of that whine whenever the XYL or kids use the cake mixer!

Do I hear the theme song from Bonanza?

-Ed

--

Recipient of coveted Samuel F. B. Morse Award, NTTC Pensacola, FL 1977.
72/73 de we6w qrp es CW ONLY; Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (From Non-Ham to Extra in one Day.)

Date: Thu, 22 Jan 1998 22:59:53 -5
From: "Bill Kelsey - N8ET - Kanga US" <kanga@mail.bright.net>
To: qrp-l@Lehigh.EDU
Subject: [1690] Re: Elmers wanted...take charge yourself
Message-ID: <199801222300.SAA07765@sparticus.bright.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

> And Hayward/Demaw Solid State design for
> the Radio Amateur can't be beat.

Just a reminder to those on the list who are llooking for help building - I have just re-stocked the following ARRL Books:

Solid State Design \$15
W1FB Design Notebook \$10
W1FB QRP Notebook \$10
QRP Power \$12

Shipping is not included in the above prices.

I also have a good stock of NA5N's Electronic Data Book, and a few 1998 ARRL Handbooks

Like Glen said in his post - if you have built a kit or two, it is time to "just do it" and take a stab at something simple.

Use Ugly construction, and keep it spread out. Start with a crystal oscillator, simple vfo, or audio amp, and add to it.

It's like riding a bicycle....

73 - Bill - N8ET
Kanga US
kanga@mail.bright.net
<http://www.bright.net/~kanga/>
419-423-4604

Date: Thu, 22 Jan 1998 18:23:27 +0000
From: Leon Heller <leon@lfheller.demon.co.uk>
To: Sam <kc5tja@animeonline.ml.org>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [1691] Re: Hello!
Message-ID: <r9X+pIAf64x0Ewmh@lfheller.demon.co.uk>
MIME-Version: 1.0

In message <Pine.LNX.3.96.980122092448.17022A-1000000@animeonline.ml.org>, Sam <kc5tja@animeonline.ml.org> writes
>> I'd sort out the oscillator first before building the buffer. Many of
>> the published circuits using JFETs don't seem to take account of the
>
>I'm not sure if I mentioned it or not, but I'm using a 2N3904 NPN
>transistor. However, that difference shouldn't have any bearing on the
>operation of the VFO...
>

Sorry, I assumed you were using a FET. Forget about the source resistor!
My advice about sorting out the oscillator still stands, though.

Leon

--

Leon Heller: leon@lfheller.demon.co.uk <http://www.lfheller.demon.co.uk>
Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424
See <http://www.lfheller.demon.co.uk/dds.htm> for details of my AD9850
DDS system. See " ["/diy_dsp.htm](#) for a simple DIY DSP ADSP-2104 system.

Date: Thu, 22 Jan 1998 23:04:49 -5
From: "Bill Kelsey - N8ET - Kanga US" <kanga@mail.bright.net>
To: qrp-l@Lehigh.EDU
Subject: [1692] Dayton Rooms
Message-ID: <199801222305.SAA09704@sparticus.bright.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Has anyone actually contacted or attempted to contact Myron?? From my experience working with Myron the past two years on my room reservation, it is still "early" for him to be sending info out.

If no one has contacted him, I will volunteer to chase him down and find out what is going on and post an update to the list.

I do not want to call him if someone else has already done that - he has enough to do without answering calls from every one of us.

if you have attempted to contact him - please let me know.

73 - Bill - N8ET
Kanga US
kanga@mail.bright.net
<http://www.bright.net/~kanga/>
419-423-4604

Date: Thu, 22 Jan 1998 23:10:01 +0000
From: Ed Loranger <we6w@qsl.net>
To: rohrwerk@pconline.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [1693] Re: Poor Man's Spectrum Analyzer?
Message-ID: <34C7D1C9.420F@qsl.net>

Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I found it here. Little typo, John. FB News, and thanks.
-Ed

<http://www.science-workshop.com/>

John Seboldt wrote:

>
> Anyone have experience with WA2PZO's "Poor Man's Spectrum Analyzer,"
> marketed by "Science Workshop" at Bethpage, NY
> <<http://www.science-workshop.com/>>? I've heard of this idea for some
> time, and found them on the web recently. Seems like a useful setup
> within the limits of its component parts.
>
> John Seboldt K0JD

--

Recipient of coveted Samuel F. B. Morse Award, NTTC Pensacola, FL 1977.
72/73 de we6w qrp es CW ONLY; Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (From Non-Ham to Extra in one Day.)

Date: Thu, 22 Jan 1998 16:26:58 -0800 (PST)
From: Sam <kc5tja@animeonline.ml.org>
To: Leon Heller <leon@lfheller.demon.co.uk>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [1694] Re: Hello!
Message-ID: <Pine.LNX.3.96.980122162543.18123A-100000@animeonline.ml.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> >I'm not sure if I mentioned it or not, but I'm using a 2N3904 NPN
> >transistor. However, that difference shouldn't have any bearing on the
> >operation of the VFO...
> >
>
> Sorry, I assumed you were using a FET. Forget about the source resistor!
> My advice about sorting out the oscillator still stands, though.

Agreed. I'm going to try and rebuild the VFO using dead-bug techniques
this time. I was going to use a vectorboard, but too many people on this
list recommended otherwise... :)

=====

-| TEAM DOLPHIN |-
Chief Architect and Project Founder
(web page under construction)

PGP 5.0 Public Key Available Upon Request.

Date: Thu, 22 Jan 1998 18:37:15 -0500 (EST)
From: bruce muscolino <w6toy@pop.erols.com>
To: K5BDZ@aol.com
Cc: QRP-L@Lehigh.EDU
Subject: [1695] Re: Houston Livestock Show & Rodeo
Message-ID: <2.2.16.19980122192810.21475e34@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>
>type in the world...we still brag here in Texas. I'm on the speakers
>committee and invite y'all to c'mon t' Texas and join us.
>
Just what kind of speakers do you get at a rodeo? Or, were you referring to
audio transducers?

73,

Date: Thu, 22 Jan 1998 18:37:12 -0500 (EST)
From: bruce muscolino <w6toy@pop.erols.com>
To: leinwebe@mcmail.cis.mcmaster.ca
Cc: QRP-L@Lehigh.EDU
Subject: [1696] Re: Elmers wanted...take charge yourself
Message-ID: <2.2.16.19980122192808.214760b8@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 03:39 PM 1/22/98 -0500, you wrote:
>Would-be homebrewing Gang,
> Now I've seen a lot of posts go by asking for elmering
>articles to be published...."I really want to learn this stuff".
>There's *tons* of good literature out there - you don't have to

>wait for more.

>

AMEN! AMEN!

There seems to be a misconception running around that those of us who have some proficiency at building either have EE degrees or were struck by some magic bolt of lightning.

Pafooeey!

Yeah, I have an EE degree. Got me my first job too! BUT I was building and homebrewing stuff while I was a sophomore in high school. I think I may have known more electronics before I went to college than I forgot while I was there.

So, if the EE degree isn't the answer, what is? As Glenn said, go get some copper clad and build something. I have a medium sized box full of old projects -- some worked and some didn't. They ALL taught me something.

All of us who build learned the same way. We built, and we built, and we built. That's how you'll learn too. Just do it! But, build it and mess with it before you start asking questions. You'll learn even more that way!

73

End of QRP-L Digest 978
